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INTRODUCTION:

Halofantrine HCl is an antimalarial drug approved by the FDA for the treatment of mild to moderate malaria caused by *Plasmodium falciparum* or *Plasmodium vivax*(1). The present study was designed to investigate the safety, tolerance and pharmacokinetics of halofantrine HCl given in multiple doses in a Phase I study as part of the overall development of halofantrine as a *prophylactic* antimalarial drug.

RATIONALE FOR STUDY:

Mefloquine HCl and doxycycline hyclate are the only Department of Defense (DOD) pharmaceutical preparations currently approved for prophylaxis against chloroquine-resistant *Plasmodium falciparum* (2). Each of these prophylactic agents has its own spectrum of side-effects that may limit its use in individual patients. In addition, changing resistance patterns worldwide necessitates the development of additional chemoprophylactic agents against this potentially deadly disease. Halofantrine may show promise as an alternative prophylactic therapy, however a number of clinical reports have suggested possible cardiotoxicity of halofantrine in the form of electrocardiographic QT prolongation and associated torsade de pointe arrhythmia(3-6). Therefore careful reevaluation of halofantrine safety when it is being considered for use as prophylaxis in healthy people is necessary.

This Phase I safety and tolerance study was designed to evaluate halofantrine given daily at the maximal dose for which absorption is linear and for which there is limited safety data. The period of dosing for this Phase I safety and tolerance study corresponded to the length of time that dosing would be required for a subsequent Phase IIa experimental sporozoite challenge study, dose-optimization study.

STUDY OBJECTIVES:

The prospectively defined objectives of this Phase I study were as follows:

- 1. To evaluate the safety and tolerance of halofantrine hydrochloride given over time to healthy adults.
- 2. To characterize the variability of multi-dose halofantrine pharmacokinetics over time in healthy adults.
- 3. To correlate pharmacodynamics (electrocardiographic QT intervals) with pharmacokinetics (plasma concentrations of halofantrine/desbutylhalofantrine).

STUDY DESIGN:

The study design was a randomized, double-blind, placebo-controlled Phase I safety and tolerance study. Twenty-one healthy volunteers were randomly assigned to receive

halofantrine or placebo. Initially it was planned to study 16 subjects, with 12 subjects to receive active drug (halofantrine) and 4 subjects to receive placebo, however due to subject drop outs prior to study completion, the number to be enrolled was increased to increase the number of subjects who completed the entire study. The blind was maintained with the increase in sample size accomplished by stratified randomization. Subjects were dosed daily for 42 days with 500 mg halofantrine hydrochloride. Subjects were fasted for at least 2 hours prior to and 2 hours following the oral dose. The initial 21 days of drug administration were done with subjects confined as inpatients to the Georgetown University Medical Center Clinical Research Center and during the remaining 21 days of drug administration the subject reported daily to the Clinical Research Center for medical assessment and supervised drug administration. The subjects were then followed periodically for the next 4 1/2 months with medical assessments and pharmacokinetic sampling at the Clinical Research Center.

CONDUCT OF THE STUDY:

The study was conducted at the Georgetown University Clinical Research Center at Georgetown Medical Center, 3800 Reservoir Road NW, Washington, DC. Each subject was an inpatient for 3 weeks during the period between December 21, 1995 and December 27, 1996. The last subject completed the study June 3, 1997. The Principal Investigator was Darrell R. Abernethy, M.D., Ph.D., who is Director of the Georgetown Medical Center Clinical Research Center, Professor of Medicine and Pharmacology, and Director of the Division of Clinical Pharmacology at Georgetown University. Collaborative Investigators included David L. Wesche, M.D., Ph.D. and Brian G. Schuster, M.D., of the Division of Experimental Therapeutics, Walter Reed Army Institute of Research, David Flockhart, M.D., Ph.D., and Jean Barbey, M.D., of the Division of Clinical Pharmacology at Georgetown University Medical Center.

The protocol and informed consent for this study were reviewed and approved by the Georgetown University Institutional Review Board August 1, 1995. Initial recruitment was by word of mouth, however to complete enrollment newspaper advertisement was used. Proposed advertisement for the study was reviewed and approved March 12, 1996. There was also approval of the protocol and informed consent form by the U.S. Army Surgeon General's Human Subjects Research Review Board. Twenty-one healthy male and female subjects were recruited by word of mouth and advertisement in the Washington Post newspaper. All subjects met the protocol inclusion criteria and did not meet the protocol defined exclusion criteria. These were:

Inclusion criteria:

- 1. Aged 18-45 years inclusive
- 2. Male or non-pregnant, non-lactating females
- 3. Weight within 20% of ideal body weight as defined by Metropolitan Life Tables
- 4. Normal history and physical examination
- 5. Normal serum chemistries including Mg++

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- 6. Normal CBC
- 7. Negative HIV screen
- 8. Negative hepatitis screen
- 9. Negative serum beta-HCG pregnancy test (females only)
- 10. Normal electrocardiogram
- 11. Normal chest X-ray
- 12. Normal pulmonary function tests with normal DLCO2
- 13. Negative urine drug screen
- 14. Normal urinalysis
- 15. Normal TSH
- 16. Available for the full duration of the study and willing to comply with study procedures
- 17. Provision of written informed consent

Exclusion criteria: Any subject with:

- 1. History of serious medical problems, including any kind of heart disease
- 2. Allergy to halofantrine or related drugs
- 3. Taken any medication one week prior to study
- 4. Donated blood or participated in another investigational drug study within the past 2 months
- 5. History of alcohol or drug abuse
- 6. Cigarette smoking or use of any tobacco product
- 7. Pregnancy, unwillingness to use adequate contraception, or the desire to become pregnant within 6 months of the last dose of study drug
- 8. Prior upper gastrointestinal surgery
- 9. HIV positivity or other clinically significant laboratory abnormalities including hyperlipidemia
- 10. Inability to speak or understand English
- 11. Unusual dietary habits

Each of the subject volunteers also had a screening physical examination and laboratory study as outlined in the protocol. Any candidate with significant clinical or laboratory abnormality was excluded from participation and referred for appropriate health care follow-up.

Demographics of the 21 subject participants are outlined in Table 1. In summary, they ranged in age for 21-44 years, there were 18 males and 3 females, 8 Caucasian and 13 Black, their weight range was 63-96 kg, and their height range was 62-73 inches.

Subjects were randomized to receive either active or placebo halofantrine in a 4:1 ratio with the randomization blinded and maintained by Dr. Mark Sale, a member of the Division of Clinical Pharmacology at Georgetown Medical Center. The randomization allocation of subject participants is outlined in Table 2. The test material was halofantrine hydrochloride 250 mg tablets. The material was provided by the US Army, however the



original source was noted to be SmithKline Beecham Pharmaceuticals, Welwyn Garden City, Herts, U.K. The tablets were noted to be lot #G1905/V001.

All drug doses were administered in the morning following at least 2 hours fast, with fasting continued for 2 hours following the drug administration. The first 21 daily doses were administered while the subjects were confined the inpatient unit. On day 22 the subjects were discharged from the inpatient unit and they returned daily for their morning observed dose from day 22 to day 41. At that time they were readmitted to the inpatient unit to receive the last dose of halofantrine and have clinical evaluation, safety laboratory determinations, and blood sampling for pharmacokinetic evaluation. On day 43 the subjects were discharged from the inpatient unit to return to the outpatient area on study days 44, 45, 48, 51, 54,57,72, and 180.

Subjects 001, 003, 006, 007, 009, 012, 013, 015, 019, 020, and 021 completed the entire 180 days of the study. Subject 017 received only 2 doses of drug, therefore safety information was collected, however this subject was not included as one of the 20 with sufficient data for some evaluation. The other subjects, 002, 004, 005, 008, 010, 011, 014, 016, and 018 completed various proportions of the study before dropping out (Table 3). No subjects were discontinued for adverse events, however 3 adverse events, gastroenteritis (subject 002), skin rash (subject 006), and headaches (subject 011) were noted. The gastroenteritis was associated in time with a food ingestion (about 6 hours later) that seemed the most likely cause, although drug exposure could not be ruled out. The skin rash disappeared while the subject remained on drug and the subject completed the study, therefore it was deemed unlikely to be related to drug exposure. The headaches were temporally related to drug exposure for several days and were deemed to be likely related to drug exposure. An outline of study participation by the subjects is noted in Table 3.

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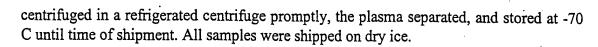
Blood sampling for pharmacokinetic analysis and electrocardiograms for QTc analysis were obtained as follows:

<u>Day</u>	<u>Time after dose (hr</u>
1	predose (1/2 hr)
1	0.5
1	1
1	2
1	. 3
1	4
1	. 6
1	8
1	10
1	12
2	predose
2 3 4 4 4	predose
4	predose
4	2
	4
4	6
4	8
	12
4 5 6 7 7 7 7 7 7 7	predose
6	predose
7	predose
7	2
7	4
7	6
7	8
7	12
8	predose
9	predose
10	predose
11	predose
12	predose
13	predose
14	predose
14	2
14	4
14	6
14	8
14	12

<u>Day</u>	<u>Time after dose (hr)</u>
15	predose
16	predose
17	predose
18	predose
19	predose
20	predose
21	predose
21	2
21	4
21	6
21	8
21	12
25	predose
29	predose
32	predose
36	predose
39	predose
42	predose
42	0.5
42	1
42	2
42	3
42	4
42	6
42	8
42 42	10 12
42	·
44	am
45	am
48	am am
51	am
54	am
5 7	am
72	am
180	am
100	COLLE

Each sampling time point, scheduled and actual, is listed in Table 4. As can be seen, the inpatient samples were obtained within a few minutes of the scheduled time, with outpatient samples for the most part within 1-2 hours of the scheduled time. For pharmacokinetic samples that deviate significantly from the scheduled time, the analysis uses the actual time of collection for purposes of calculation. All blood samples were

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Analysis of electrocardiographic data was as follows. All ECGs were 12 lead with a 15 second 3-lead rhythm strip (I, aVF, V2). The chart speed for recording the 12 lead ECG was 25 mm/sec, the speed for the rhythm strip was 50 mm/sec. Two copies of each ECG were recorded, one for the chart and one for interpretation. For each ECG the RR interval and QT interval were measured for the first 3 consecutive normal and technically acceptable complexes and the results were averaged. If the RR interval was greater than 500 msec, QTc was calculated according to the Bazett formula(7). If the RR interval was less than 500 msec, the Fridericia correction was used(8). QT interval measurement was based on a modification of the method of Lepeschkin et al(9). The ECG tracings were placed on a digitizing pad and a cross-hair type pointing device was used to mark the beginning and the end of each interval. The data were transmitted to and stored on computer. The QT duration was measured on the rhythm strips from three leads simultaneously with use of the earliest beginning of the QRS complex to the end of the longest T wave in any of the three simultaneous leads. The end of each T wave was determined by drawing a tangent to the steepest portion of the downsloping T wave. The point at which this tangent intersected with the isoelectric line was used to designate the end of the T wave.

In addition to the above mentioned procedures, questioning regarding adverse reactions and subjective symptomatology, vital sign determinations and determination of laboratory safety parameters were performed as outlined in the study protocol. Deviations have been noted in the specific case report forms. These data are recorded for each subject in the subject's case report form. Copies of case report forms have been appropriately completed for each subject and have been periodically reviewed by the USAMMDA monitor. These forms are on file and available at the Georgetown University Clinical Research Center.

Periodically, according to the protocol-defined procedure, plasma samples were shipped on dry ice to Dr. Emil Lin at the Drug Studies Unit, School of Pharmacy, University of California at San Francisco. Quality control and reporting of plasma concentration data was monitored separately from clinical site monitoring.

RESULTS:

The study findings will be separated into 5 sections as follows: (1) Clinical Adverse Experiences, (2) Laboratory Safety Parameters, (3) Pharmacokinetic Results, (4) Pharmacodynamic [Electrocardiographic] Results, and (5) Pharmacokinetic / Pharmacodynamic Concentration Effect Relationships.

1. Clinical Adverse Experiences. Subject 002 (21 year old Black male) experienced stomach cramping, diarrhea, and fever for 4 days starting day 31 of the study. This began a few hours after ingestion of some possibly contaminated food. The subject stated he had



eaten salmon with a friend and the friend had become ill with similar symptoms. Evaluation on day 32 revealed mild abdominal tenderness and no other significant findings. At that time CBC showed 8000 WBC, Hb 14.2 and Hct 42.3. Symptoms subsided spontaneously on day 35. This subject was receiving halofantrine. He discontinued study on day 36 for personal reasons. Subject 006 (26 year old White male) developed a localized skin rash on day 11. Local care was administered and by day 15, while the subject remained on study the rash resolved. This subject was receiving placebo. Subject 011 (43 year old Black Hispanic female) complained of a throbbing headache on day 7. This was considerably relieved by a 650 mg dose of acetaminophen. The headache recurred on days 10, 12, 19, 21, and 22. Physical examination was unrevealing at the various evaluations during this series of headaches. This subject was receiving halofantrine. The subject did not subsequently complain of headache. Based on the history and examination, I deemed the subject 002 and subject 006 events to be unlikely to be related to halofantrine, and the subject 011 event to be probably related to halofantrine.

2. Laboratory Safety Parameters. Screening laboratory parameters for inclusion into the study are shown in Table 5 and include Drug Screen, Chest X-ray, Pulmonary function tests (screen and day 42), TSH, HIV, Hepatitis Surface Antigen (HBsAg), Hepatitis C (HbC), and Hepatitis C antibody (HbC antibody).

Vital signs during the course of the study are shown in Table 6(a-e) and include systolic blood pressure, diastolic blood pressure, heart rate, temperature, and weight. Each of these parameters is followed by 2 figures that plot the values and variance. This first figure shows the data in a linear array and includes maximum and minimum values, while the second figure shows the data with standard deviation plotted on a true time scale (Figures 1-10). Of interest, systolic and diastolic blood pressure and heart rate tended to be less during the inpatient part of the protocol (days 1-22). Early in the study weight was not measured daily, therefore missing data appear as empty cells in this table.

Beta HCG for female subjects (003, 010, 011) is shown in Table 7 and data are included for the duration of their participation (only 003 completed the study).

Hematological profile during the course of the study is shown in Table 8(a-l) and includes WBC, hemoglobin, hematocrit, RBC, red cell indices (MCV, MCHC, MCH), reticulocyte count, and white cell differential (eosinophils, segmented neutrophils, monocytes, lymphocytes. Values outside of the laboratory normal range are bolded. Each table is followed by a figure which plots the mean, standard deviation, and extreme values for the respective parameter (Figures 11-22). No trend for change in hematological parameters could be discerned during and following drug exposure. Missing data and data not obtained due to subject dropout are shown as empty cells.

Electrolytes during the course of the study are show in Table 9(a-e) and include sodium, chloride, potassium, carbon dioxide, and glucose. Values outside of the laboratory normal range are bolded. Each table is followed by a figure which plots the mean, standard

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deviation, and extreme values for the respective parameter (Figures 23-27). No trend for change in electrolytes, CO2, or glucose could be discerned during the course of the study. Missing data and data not obtained due to subject dropout are shown as empty cells.

Other chemistries during the course of the study are shown in Table 10(a-s) and include alkaline phosphatase, albumin, total bilirubin, blood urea nitrogen, calcium, total cholesterol, HDL cholesterol, triglycerides, creatinine, gGT, LDH, magnesium, phosphate, total protein, AST, ALT, and uric acid. Each table is followed by a figure which plots the mean, standard deviation, and extreme values for the respective parameter (Figures 28-45). No trend for change in other chemistries could be discerned during the course of the study. Missing data and data not obtained due to subject dropout are shown as empty cells.

Urinalysis with microscopic examination is shown in Table 11(a-e) and includes casts, occult blood, RBC, WBC, and specific gravity. Each table is followed by a figure which plots the mean, standard deviation, and extreme values for the respective parameter (Figures 46-48). Occult blood noted for subjects 003 and 010 was observed during menses for these female subjects. No trend for change in urinalysis parameters was noted throughout the course of the study.

- 3. Pharmacokinetics: The pharmacokinetic parameters which could be evaluated with a degree of reliability were accumulation rate constant and accumulation half-life for each of the halofantrine stereoisomers (+Halofantrine and -Halofantrine) and steady state oral clearance for each of the isomers. Accumulation rate constants were determined from all trough (prior to the next dose) concentrations for days 1-45, the time of daily oral dosing of 500 mg/day racemic Halofantrine hydrochloride. Steady state oral clearance was determined from the mean of the measured trough concentrations from dosing days 23-45, which on visual inspection provided a reasonable description of steady state. Fitted functions for each subject, calculated accumulation rate constants and half lives are shown on Figure 49 (a-p). Calculated values were: +Halofantrine; 0.161±0.120 days-1 and 7.01±4.80 days respectively and -Halofantrine; 0.184±0.191 days-1 and 7.25±4.82 days respectively. Similarly steady state concentrations and oral clearance are shown on Figure 50. Observed and calculated values were: +Halofantrine; 88.8±46.2 ng/ml and 139±73.0 L/hr respectively and -Halofantrine; 43.7+17.3 ng/ml and 265.2+135.4 L/hr respectively. It is worth noting that +Halofantrine has markedly higher steady state concentrations across the group and this is reflected in the oral clearance calculation, which is about ½ that seen for -Halofantrine.
- 4. Pharmacodynamics (Electrocardiographic Effects): Electrocardiographic parameters during the course of the study are shown in Table 12 (a-d) including heart rate, PR interval, QRS duration, and QTc calculated as described above. Following each table is a plot of mean, standard deviation, and extreme values for each ECG (Figures 51-54). No trend for change in heart rate, PR interval, or QRS duration could be discerned. In contrast, QTc interval tended to be prolonged from baseline in subjects 002, 007, 009,

010, 011, 014, 016, 018, and 021. These subjects were all receiving halofantrine, and none of the subjects receiving placebo had an appreciable change in QTc.

5. Concentration Effect (Pharmacokinetic/Pharmacodynamic) Relationships: Raw data depicting measured ECG QTc and concentrations of the stereoisomers of halofantrine and its major metabolite, desbutylhalofantrine are shown in Table 13 (a-o). Subjects who received placebo of course are not represented as they have no halofantrine concentration determinations. Concentration time plots for isomers of halofantrine and desbutylhalofantrine are show in Figure 55 (a-o). Linear regressions of +halofantrine and ECG QTc and -halofantrine and ECG QTc are depicted in figures 56-70. It is clear that in most subjects a strong relationship between halofantrine concentration and lengthening QTc exists (Subjects 1,2,4,8,9,10,11,14,15,16,18, and 20) and that there is little relationship for others (Subjects 5,7,19).

CONCLUSIONS:

This halofantrine regimen of 500 mg per os once daily administered in the fasting state for a period of 6 weeks was well tolerated by the subject participants. Clinical adverse effects were few and minor. Laboratory safety profiles showed no evidence of abnormality associated with drug exposure. Electrocardiographic QTc prolongation in the range of 5-15% occurred in most subjects who received halofantrine, and did not occur in subjects who received placebo. In most instances a linear relationship between increasing concentrations of each of the halofantrine stereoisomers and lengthening of the ECG QTc could be demonstrated. Since racemic halofantrine was administered concentrations of each of the isomers covaried, therefore no conclusion can be reached from this study about the relative contribution to QTc prolongation from the respective isomers.

Darrell R. Abernethy, M.D., Ph.D.

Principal Investigator

Dec. 17, 1998

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Subject Meight Height Hosp Date Stu 1 JKS W M 23 64 67 12/21/95 06/11 2 BSH B M 21 96 68 70 12/21/95 06/11 3* EJW W M 27 68 70 01/10/96 02/16/96 06/11 4 WPS B M 27 68 70 01/10/96 02/16/96 06/11 5 SGA B M 26 77 01/10/96 02/16/96 06/11 6* JBC W M 26 77 01/10/96 02/16/96 06/11 7 DAN W M 28 64 67 02/15/96 06/11 8 AYB B M 28 64 67 02/15/96 06/11 10 B M 38 75 71 02/15/96			HA	LOFANTRIP	JE SUBJE	HALOFANTRINE SUBJECT DEMOGRAPHICS	RAPHICS			
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EJW W F 23 68 70 12/21/95 WPS B M 27 68 71 01/10/96 02/16/96 SGA B M 35 68 70 01/10/96 02/16/96 JBC W M 26 77 01/12/96 02/15/96 DAN W M 26 77 01/15/96 02/15/96 DAN W M 33 73 68 02/15/96 02/15/96 GRL W M 38 75 71 02/15/96 02/15/96 GRL W M 38 75 65 02/15/96 04/09/96 GLC W M 37 82 71 02/15/96 04/09/96 GLG W M 37 82 71 03/28/96 05/07/96 DLS B M 44 77 73 03/28/96 05/07/96 <td< td=""><td>2</td><td>BSH</td><td>В</td><td>Σ</td><td>21</td><td>96</td><td>68</td><td>12/21/95</td><td>01/25/96</td><td></td></td<>	2	BSH	В	Σ	21	96	68	12/21/95	01/25/96	
WPS B M 27 68 71 01/10/96 02/16/96 SGA B M 35 68 70 01/10/96 02/07/96 JBC W M 26 77 01/25/96 02/07/96 DAN W M 33 73 68 02/15/96 02/07/96 AYB B M 28 64 67 02/15/96 02/07/96 GRL W M 38 75 71 02/15/96 04/09/96 EVJ B F 39 75 65 02/15/96 04/09/96 C-E B (Hispanic) F 43 66 52 02/15/96 04/09/96 C-E B (Hispanic) F 43 66 52 02/15/96 04/09/96 GLG W M 37 82 71 03/28/96 05/07/96 DLS B M 44 77 73 03	3*	EJW	*	Ŀ	23	89	70	12/21/95		06/18/96
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JBC W M 26 77 68 02/15/96 DAN W M 33 73 68 02/15/96 AYB B M 28 64 67 02/15/96 02/25/96 GRL W M 38 75 71 02/15/96 04/08/96 EYJ B F 43 66 52 02/15/96 04/08/96 HLL B M 37 82 71 03/14/96 04/08/96 HLL B M 35 63 67 03/28/96 04/08/96 GLG W M 35 63 67 03/28/96 05/07/96 DLS B M 43 75 68 03/28/96 05/11/96 L-W B M 44 77 73 03/28/96 05/11/96 KLS B M 43 68 69 08/01/96 10/02/96 <t< td=""><td>5</td><td>SGA</td><td>8</td><td>Σ</td><td>35</td><td>68</td><td>70</td><td>01/10/96</td><td>02/01/96</td><td></td></t<>	5	SGA	8	Σ	35	68	70	01/10/96	02/01/96	
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EYJ B F 39 75 65 02/15/96 04/09/96 C-E B (Hispanic) F 43 66 52 02/23/96 04/08/96 HLL B M 37 82 71 03/14/96 04/08/96 GLG W M 35 63 67 03/28/96 05/07/96 DLS B M 43 77 63 03/28/96 05/07/96 DMK B M 44 77 73 03/28/96 05/07/96 L-W B M 21 68 70 08/01/96 05/01/96 KLS B M 43 82 71 08/01/96 10/02/96 WSB W M 43 82 71 08/22/96 CA CAE W M 38 92 69 12/05/96 CA	. 6	GRL	×	Σ	38	75	71	02/15/96		08/13/96
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HLL B M 37 82 71 03/14/96 GLG W M 35 63 67 03/28/96 DLS B M 43 75 68 03/28/96 05/07/96 DMK B M 28 71 63 03/28/96 05/07/96 L-W B M 44 77 73 03/28/96 05/11/96 L-W B M 21 68 70 08/01/96 08/01/96 KLS B M 43 82 71 08/22/96 10/02/96 WSB W M 43 82 71 08/22/96 10/02/96 K-P B M 22 75 70 10/31/96 12/05/96 CAE W M 38 92 69 12/05/96 12/05/96	11	C-E	:	ш	43	99	52	02/23/96	04/08/96	
GLG W M 35 63 67 03/28/96 DLS B M 43 75 68 03/28/96 05/07/96 DMK B M 28 71 63 03/28/96 05/07/96 L-W B M 44 77 73 03/28/96 05/11/96 LDG B M 21 68 70 08/01/96 08/02/96 KLS B M 43 82 71 08/22/96 10/02/96 WSB W M 43 82 71 08/22/96 10/02/96 CAE W M 38 92 69 12/05/96 12/05/96	12*	H	В	Σ	37	82	71	03/14/96		09/10/96
DLS B M 43 75 68 03/28/96 05/07/96 DMK B M 28 71 63 03/28/96 05/11/96 L-W B M 44 77 73 03/28/96 05/11/96 LDG B M 21 68 70 08/01/96 08/02/96 KLS B M 43 82 71 08/21/96 10/02/96 WSB W M 43 82 71 08/22/96 C K-P B M 22 75 70 10/31/96 C CAE W M 38 92 69 12/05/96 C	13*	GLG	M	Σ	35	63	67	03/28/96		10/08/96
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LDG B M 21 68 70 08/01/96 08/02/96 KLS B M 36 68 69 08/01/96 10/02/96 WSB W M 43 82 71 08/22/96 10/02/96 K-P B M 22 75 70 10/31/96 10/31/96 CAE W M 38 92 69 12/05/96	16	M-7	8	Σ	44	77	73	03/28/96	05/11/96	
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WSB W M 43 82 71 08/22/96 K-P B M 22 75 70 10/31/96 CAE W M 38 92 69 12/05/96	18	KLS	В	Σ	36	68	69	08/01/96	10/02/96	
K-P B M 22 75 70 10/31/96 CAE W M 38 92 69 12/05/96	19	WSB	M	Σ	43	82	7.1	08/22/96		02/18/97
CAE W M 38 92 69 12/05/96	20	K-P	В	Σ	22	75	70	10/31/96		04/28/97
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Subject Number In 1 2 3 4	Initials JKS			
	nitials JKS	1-7:11		
	nitials JKS	Hospital	Date	Study
	JKS	Day 0	Dropped	Completed
		12/21/95		06/18/96
	BSH	12/21/95	01/25/96	
	EJW	12/21/95		06/18/96
	WPS	01/10/96	02/16/96	
ທ	SGA	01/10/96	02/01/96	
9	JBC	01/25/96		07/23/96
	DAN	02/15/96		08/13/96
8	AYB	02/15/96	02/25/96	•
6	GRL	02/15/96		08/13/96
10	EYJ	02/15/96	04/09/96	
-	C-E	02/23/96	04/08/96	
12	Ή	03/14/96		09/10/96
13	GLG	03/28/96		10/08/96
14	DLS	03/28/96	96/20/90	
15	DMK	03/28/96		09/24/96
16	T-W	03/28/96	05/11/96	
	LDG	08/01/96	08/02/96	
:	KLS	08/01/96	10/02/96	
19	WSB	08/22/96		02/18/97
	К-Р	10/31/96		04/28/97
21	CAE	12/05/96		26/60/90

	Blank = Not Obtained	otaine	ס			••		Blo	od Spe	cimen	Blood Specimen PK Times	es								
Date Time		Day 1 Pre	Day 1 .5hr	Day 1 1hr	Day 1 2hr	Day 1 3hr	Day 1 4hr	Day 1 6hr	Day 1 8hr	Day 1 10hr	Day 1 12hr	Day 2 Pre	Day 3 Pre	Day 4 Pre	Day 4 2hr	Day 4 4hr	Day 4 6hr	Day 4 8hr	Day 4 12hr	
Act:	-	7:40	8:37	8:57	10:02	11:00	11:57	13:59	16:00	18:03	20:00	07:40	08:05	07:45	10:00	12:02	14:07	15:46	20:00	
Schd:		7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	
Diff:		10	7	۳-	73	0	-3	ŗ	0	m	0	10	35	15	0	0	7	-14	0	•
Act:		8:00	8:43	9:13	10:13	11:12	12:20	14:15	16:15	18:20	20:15	08:18	08:18	08:03	10:18	12:18	14:18	16:03	20:05	
Schd:		7:45	8:45	9:15	10:15	11:15	C	14:15	16:15	18:15	20:15	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	
Diff:		15	-2	-2	-2	e-	S	0	0	ហ	0	33	33	18	m	m	m	-12	-10	
,		6.17	9.24	0.50	36.01	71.47	12.52	14:50	16:50	19:00	20:50	08:30	08:25	08:13	10:46	12:48	14:50	16:42	20:50	
Schd.		8.20		10.50	11:50	12:50	13:50	15:50	17:50	19:50	21:50	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50	
Diff:		π-		-60	-54	-63	-58	09-	-60	-50	-60	10	S	-7	4.	-5	0	8	0	
Acts		8:34	9:15	9:45	10:40	11:40	12:40	14:40	16:50	18:40	20:40	08:36	00:60	09:45	11:55	13:45	15:55	18:00	20:00	
Schot		8:00	00:6	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	
Diff:		34	15	15	10	10	10	10	20	10	10	36	09	105	85	75	85	90	-30	
٠ ۲		0.20	9.05	9.25	10:25	11:30	12:25	14:25	16:25	18:25	20:20	08:30	08:35	08:35	11:15	13:07	14:55	17:00	19:00	
Schd:		00.8	00.0	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	
4 4 4) (ų	ی ا	Lr.	01-	30	3.5	35	45	37	25	30	-90	
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Schd:		8:20	9:20	9:50	10:50	11:50	12:50	14:50	16:50	18:50	20:50	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50	
Diff:		25	7	0	0	0	10	10	0	10	<u>ا</u> د	0	40	38	10	ഗ	ហ	. 15	10	
Act:		9:25	10:00	10:31	11:35	12:30	13:30	15:30	17:30	19:32	21:30	08:52	09:20	08:58	11:06	13:06	15:10	17:12	21:28	
Schd:	-,	9:00		10:30	11:30	12:30	13:30	15:30	17:30	19:30	21:30	9:00	9:00	9:00	11:30	13:30	15:30	17:30	21:30	
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Acts	•	7:53	8:32	9:18	9:56	11:00	12:05	14:00	16:00	18:05	20:10	07:53	08:07	07:55	10:00	12:00	14:00	16:05	20:45	
Schd:		7:30	8:30	9:00	10:00	11:00	N	14:00	16:00	18:00	20:00	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	
Diff:		23	7	18	4-	0	S	0			10	23	37	25	0	0	0	ss	45	
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Schd:		7:50	8:50	9:20	10:20	11:20	12:20	14:20	16:20	18:20	. 20:20	7:50	7:50	7:50	10:20	12:20	14:20	16:20	20:20	
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Act:		8:30	9:25	9:45	10:50	11:44	12:40	14:30	16:40	18:40	21:00	08:34	08:55	08:25	10:45	12:50	14:50	16:50	23:40	
Schd:	_	8:10	9:10	9:40	10:40	11:40	N	14:40	16:40	18:40	20:40	8:10	8:10	8:10	10:40	12:40	14:40	16:40	20:40	
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Schd:		8:50		10:20	11:20	12:20	13:20	15:20	17:20	19:20	21:20	8:50	8:50	8:50	11:20	13:20	15:20	17:20	21:20	
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Subj	Date Time	Day 1 Pre	Day 1 .5hr	Day 1 1hr	Day 1 2hr	Day 1 3hr	Day 1 4hr	Day 1 6hr	Day 1 8hr	Day 1 10hr	Day 1 12hr	Day 2 Pre	e e	Day 4 Pre	Day 4 2hr	Day 4 4hr	Day 4 6hr	Day 4 8hr	Day 4 12hr	
12	Act:	8:18	9:55	9:30	10:30	11:25	12:35	14:30	16:30	18:35	20:10	08:12	08:40	02:20	10:00	12:21	14:20	16:24	20:25	
17	Schd:	7:45	8:45	9:15	10:15	11:15	12:15	14:15	16:15	18:15	20:15	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	
112	Diff:	33	70	15	15	10	20	15	15	20	ស្	27	55	S	-15	v	u	a		
13	Act:	8:55	9:30	10:00	11:00	12:00	13:00	15:04	17:02	19:03	21:00	08:55	09:20	08:55	11:05	13:05	14:55	16:55	21:05	
13	Schd:	8:30	9:30	10:00	11:00	12:00	13:00	15:00	17:00	19:00	21:00	8:30	8:30	8:30	11:00	13:00	15:00	17:00	21:00	
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14	Act:	8:00	8:50	9:20	10:20	11:20	12:20	14:20	16:20	18:20	20:20	08:25	00:60	08:10	10:28	12:21	14:04	16:09	20:29	
14	Schd:	8:00	9:00	9:30	11:30	12:30	13:30	15:30	17:30	19:30	21:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	
14	Diff:	0	-10	-10	-70	-70	-70	-70	-70	-70	-70	25	09	10	-2	6-	- 56	-21	-1	
15	Act:	8:30	9:14	9:50	10:45	11:48	12:50	14:44	16:45	18:35	20:36	08:40	08:41	08:80	10:55	12:55	14:55	16:55	20:45	
15	Schd:	8:10	9:10	9:40	10:40	11:40	12:40	.14:40	16:40	18:40	20:40	8:10	8:10	8:10	10:55	12:55	14:55	16:55	20:55	
15	Diff:	20	4	10	ស	80	10	4	ഗ	ΐ	4-	30	31	40	0	0	0	0	-10	
16	Act:	7:58	8:40	9:07	10:05	11:05	12:05	14:05	16:10	18:05	20:00	07:55	08:00	08:04	10:04	12:04	14:30	16:30	20:12	
16	Schd:	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	
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21	Schd:	7:45	8:45	9:15	10:15	11:15	12:15	14:15	16:15	18:15	20:15	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	
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Dec. 17, 1998

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Table 4-4	Blood Specimen PK Times
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		Pre	08:20	7:45	35			255		08:15	8:00	15	08:38	8:10	28	33.60		25	}		8:00		08:11	8:00	11	0	08:02	8:00	N	07:58	7:30	28	07.40	7.45)
•	Day 5	PRE	08:13	7:45	28	73.00	00.00	26		08:10	8:00	10	08:35	8:10	25	76.60	96:70	06:7	,		8:00		08.15	8.00	15		08:23	8:00	23	08:00	7:30	30	03.60	7.45		1
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	. 1	Day 22	Pre		7.30	202		08:10	7:45		9:15	555	7.00	8:00	45	40.80	8:00	24		00:00	36	;	09:03	9:00 3)) (9	07:00	20	96.90	00.00	28		09:12	22
		Day 21	12hr	04.01	20.00	-20	;	20:00	-15		20.50	17	20.42	20:30	12	20.20	20:30	-10		54:13	53		21;40	21:30 10		0	0	30.00	60.40	2 5	20.41	1 7 7 7	2			-5
		Day 21	8hr	76.00	90.91	0	,	16:15	0		16:50	6	16.46	16:30	15	16:25	16:30	5.	20.01		25		16:47	17:30 -43		90		16.21	1 0	10:20	16.45					07:/1
		Day 21	6hr	00.60	14:00	0	•	14:15	0		14:50	8	14.55	14:30	25	14:25	14:30	15	33.66		2 C C C		77:47	-68		,		14.25		5	14.58	14.40	18	: :	61:61	
	•	Day 21	4hr	12.00	12:00	0	t •	12:15	0	13.61	12:50	m	12:40	12:30	10	12:25	12:30	5.	12.55	12.65	5 2	, c	67.55	-15		13.00		12.30	00.61	10	12:45	12:40	2		00.51	
		Day 21	2hr	10:00	10:00	0		10:15	0	53.01	10:50	М	10:40	10:30	10	12:25	12:30	-5	12.55	10.50	125		07:11	-10		10.00		10:30	00.01	10	10:58			90		
		Day 21	Pre	07:56	7:30	26	C	7:45	27	08:50	8:20	30	08:39	8:00	39	08:17	8:00	17	08:50	8:20	30	61.90	7.00	12		7:30		08:10	7.50	20	08:25	8:10	15	90.00		
	₹ Times	Day 20	Pre	07:57	7:30	27	. ac	7:45	25	08:50	8:20	30	08:45	8:00	45	08:25	8:00	25	08:35	8:20	15	01.60	9.0	10		7:30		08:25	7.50	35	08:20	8:10	40	06.90		30
Table 5	Blood Specimen PK Times	Day 19	Pre	07:50	7:30	20	20.80	7:45	20	.08:13	8:20	-7	08:57	8:00	57	08:22	8:00	22	08:55	8:20	35	09:41	0.0	41		7:30		08:30	7:50	0	80:60	8:10	58	09.21	8:50	31
Ļ	od Spec	Day 18	Pre	07:40	7:30	10	08:20	7:45	35	08:20	8:20	30	10:05	8:00	125	09:43	8:00	103	08:39	8:20	19	50:60	00:6	2		7:30		08:19	7:50	53	08:39	8:10	29	51:60	-8:50	23
	B	Day 17	Pre	07:53	7:30	23	08:20	7:45	35	08:51	8:20	31	08:45	8:00	45	09:15	9:00	75	08:59	8:20	39	09:30	9:00	30		7:30		08:19	7:50	29	08:41	8:10	31	09:28	8:50	38
		Day 16	Pre	07:50	7:30	50	08:13	7:45	28	08:47	8:20	27	08:44	8:00	4	08:33	8:00	33	00:60	8:20	40	09:07	9:00	7		7:30		60:80	7:50	19	08:30	8:10	20	08:30	8:50	-20
	••	Day 15	Pre	07:55	7:30	25	08:13	7:45	28	08:52	8:20	32	08:35	8:00	35	08:20	8:00	20	. 08:39	8:20	1.9	10:10	9:00	70		7:30		08:18	7:50	58	08:48	8:10	38	09:19	8:50	29
		Day 14	12hr	20:10	20:00	10	20:35	20:15	20	20:55	20:20	35	20:40	20:30	10	20:30	20:30	0	20:47	20:50	e -	21:00	21:30	-30		20:00		20:00	20:20	-20	20:30	20:40	-10	21:20	21:20	0
	-	Day 14	8hr	16:07	16:00	7	16:20	16:15	ß	16:43	16:50	-7	16:40	16:30	10	16:31	16:30		16:57	16:50	7	17:10	17:30	-20		16:00		16:27	16:20	7	16:45	16:40	S	17:28	17:20	œ
	Slank = Not Obtained	Day 14	onr	14:00	14:00	0	14:23	14:15	œ	14:56	14:50	9	14:40	14:30	10	14:25	14:30	ភ	14:58	14:50	co	15:07	15:30	-23		14:00		14:30	14:20	10	14:45	14:40	ស	15:25	0	S
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Dec. 17, 1998

Blood Specimen PK Times

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	Date	Day 14	Day 14	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21	Day 21	Day 22					
Subj	Time	6hr	8hr	12hr	Pre	Pre	Pre	Pre	Pre	Pro	Pre '	2hr	4hr	6hr	8 hr	12hr	Pre	
12	Act	14:30	16:25	20:20	08:22	09:10	08:15	08:14	08:05	08:13	00:80	10:13	12:16	14:22	16:58	20:22	08:13	
12	02		16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45	
. 12	Diff:		10	ĸ	ÌE	85	30	29	20	28	15	7	п	7	43	7	28 .	
. 1	Acts	15:10	17:04	21:12	08:52	08:10	09:35	09:30	08:57	09:12	90:00	11:20	13:15	15:19	17:10	21:12	08:50	
13	Schd:		17:00	21:00	8:30	8:30	8:30	8:30	8:30	8:30	8:30	11:00	13:00	15:00	17:00	21:00	8:30	
13	Diff:		4	12	22	-20	9	09	27	42	35	20	15	19	10	12	20	•
14	Acts	14:20	16:20	20:23	08:25	08:40	08:14	08:22	08:34	08:16	08:80	11:59	12:57	14:55	16:46	21:05	08:18	
14	Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	
14	Diff:	-10	-10	-1	25	40	14	22	34	16	20	89	27	25	16	35	18	•
t	4	7.7	07.76	60.10	36.90	34.60		3.5	26.35	. 08.45	08:37	10:45	12:45	14:45	16:45	20:47	08:37	
12	Schde	14:42	16:40	20:40	8:10	8:10	8:10	8:10	8:10	8:10	8:10	10:40	12:40	14:40	16:40	20:40	8:10	
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16	Schd:	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	
16	Diff:	0	0	S.	25	15	40	34	34	28	26	10	v	74	ហ		78	
17	4 1			•														
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11	Diff:) } •) ; ;							•							
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18	Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	00:0	
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19	Acts	14:34	16:33	20:25	08:20	08:23	08:10	08:20	08:25	07:30	08:04	10:30	12:30	14:30	16:36	20:49	08:30	
19	Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	
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70	Act	14:00	16:02	20:15	07:55	07:36	07:37	07:58	07:55	07:58	07:55	10:02	12:05	13:55	15:50	20:10	07:50	
70	Schd:	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	
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21	Act:	14:05	16:08	20:20	07:50	08:00	07:57	08:00	07:55	07:58	07:45	10:00	12:00	14:00	16:00	20:00	08:10	
21	Schd:	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45	
21	Diff:	-10	-7	ហ	ß	15	12	15	10	13	0	-15	-15	-15	-15	-15	25	
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. !	Day 42	12hr	21:35	20:00	95		20:15	,	21:15	20:50	25		20:30			20:30		21:00	20:50	10	21:05	21:30	-25		20:00		20:20	20:20	0	20:48	20:40	80	02.16	000	07:17	>
* !	Day 42	10hr	17:10	18:00	-50		18:15		19:15	18:50	25		18:30			18:30		19:18	18:50	28	19:08	19:30	-22		18:00		18:20	18:20	0	18:45	18:40	S	19.17		07:67	?
:	Day 42	8hr	15:00	16:00	-60		16:15		17:15	16:50	25		16:30			16:30		18:05	16:50	75	17:13	17:30	-17		16:00		16:20	16:20	0	16:57	16:40	17	31.71	00.01	02:/1	5 *
•	Day 42	6hr	13:05	14:00	-55		14:15		15:15	14:50	25		14:30			14:30		15:09	14:50	19	15:03	15:30	-27		14:00		14:20	14:20	0	14:55	14:40	15	15.10	000	75:61	07.
	Day 42	4hr	12:40	12:00	40		12:15		13:20	13:50	-30		12:30			12:30		12:56	12:50	9	13:06	13:30	-24		12:00		12:20	12:20	0	12:55	12:40	15	13.10	0 0	13:21	01.
-	Day 42	3hr	10:10	11:00	-50		11:15		12:15	12:50	-35		11:30			11:30		11:50	11:50	0	12:01	12:30	-29		11:00		11:33	11:20	13	11:45	11:40	S	71.01		02:21	ņ
	Day 42	2hr	09:10	10:00	-50		10:15		11:15	11:50	-35		10:30	•		10:30		11:10	10:50	20	11:12	11:30	-18		10:00		10:20	10:20	0	10:50	10:40	10	11.29		07:11	ע
;	Day 42	1hr	08:14	00:6	-46		9:15		10:15	10:50	-35		9:30			9:30		10:10	9:50	20	10:13	10:30	-17		9:00		09:50	9:20	0	09:55	9:40	15	01.01		07:01	01:
:	Day 42	. Shr	07:50	8:30	-40		8:45		09:45	9:20	25		9:00			9:00		08:60	9:20	10	09:43	10:00	-17		8:30		08:50	8:50	0	08:30	9:10	50	08.40		00.5	01-
	Day 42	Pre		7:30			7:45	,	09:10	8:20	20		8:00			8:00		08:45	8:20	25	00:00	9:00	0		7:30		08:05	7:50	15	08:40	8:10	30	30.00	0.00	00:0	n T
	Day 39	Pre	10:05	7:30	155		7:45		08:45	8:20	25		8:00			8:00		08:45	8:20	25	10:00	9:00	09		7:30		08:35	7:50	45	09:10	8:10	9	11.53		06:80	601
•	Day 36	Pre	08:20	7:30	20		7:45		08:25	8:20	S	08:30	8:00	30		8:00		. 08:37	8:20	117	09:48	9:00	. 83		7:30		10:43	7:50	173	11:05	8:10	175		0.0	00:0	
	Day 32	Pre	08:07	7:30	37	08:55	7:45	70	08:27	8:20	7	08:33	8:00	33		8:00		08:36	8:20	16	09:20	9:00	20		7:30		09:60	7:50	120	08:48	8:10	38	08.50	0 2 . 0	מנ:0	٥
	Day 29	Pre	08:00	7:30	30	07:10	7:45	-35	08:20	8:20	0	08:80	8:00	20		8:00		08:45	8:20	25	19:10	9:00	610		7:30		09:60	7:50	120	10:45	8:10	155	13.46	00.0	06:00	0 70
	Day 25	Pre	09:05	7:30	95	08:20	7:45	35	08:40	8:20	20	09:35	8:00	95	09:18	8:00	78	08:40	8:20	20	09:38	9:00	38		7:30		08:52	7:50	62	08:02	8:10	89	12.35	00.00	06:0	C77
ı	Date	Time	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schdi	Diff:	Act	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	٠ د د	ochd.	D. 156	1111
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Table 4-8	Blood Specimen PK Times

Blank = Not Obtained

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Day 43	AM.		09:45	7:45	120		00:60	8:30	30			8:00		09:07	8:10	57	. !	07:59	7:30	53		08:30	00:8	30	000	06:30	00:8	3	00:00	8:00	-60		08:00	7:30	30	. (07:45 1	7:45	0
Day 42	12hr		20:15	20:15	0		21:40	21:00	40			20:30		21:20	20:40	40	;	20:00	20:00	0		6	40:30		. 7.	1 0	11	;	20:38	20:30	α)		20:05	20:00	v	9	0 7 10 0	20:15	25
Day 42	10hr		18:20	18:15	cy.	,	19:31	19:00	31			18:30		19:08	18:40	28		80:81	18:00	30		00.0	70:30		18.55		25	;	18:38	18:30	80			0	S	, , ,		n	18
Day 42	8hr		16:20	16:15	ហ		17:35	17:00,	S.			16:30		17:07	16:40	27	0	00:07	16:00	5		06.31	00:01		16.36	02:31	9		16:38	16:30	80			16:00	Ŋ	76.43			56
Day 42	6hr	;	15:08	14:15	53		15:45	15:00	4. U		6	06:#1		15:10	14:40	30	. 0.	70:57	14:00	v		14.20	27.		19:36				14:40	14:30	10			2	S	14.30			/ 1
Day 42	4hr		17:26	12:15	11		13:37	13:00	ì		00.01	00:31		13:04	12:40	24	17.08	00.74	308	900		02.21)		12:30	12:30	0			12:30				12:00		ר פריכו			7,7
Day 42	3hr	` .	11:20	cT:TT	n	12.30	12:30	38	P 1		11.30	?		12:14	11:40	34	11.05	00.1.	00:11	1		11:30) 		11:37		7			0	0			11:00		11:32			`1
Day 42	2hr		71.01	10:13	v	11.32	1 0	33	i		10.30			11:07	10:40	27	10:00	00.01	20.0	•		10:30	• •		10:30	10:30				30	73			0	S.	10:28			1
Day 42	. 1hr	91.90	31.0	c	7	10:30	00.01	30	3		9:30	•		10:15	9:40	35	00:00	0.0	? 0)		9:30			09:30	9:30	0			٥				.	un .	09:30		15) 1
Day 42	. 5hr	08:48	R - 45	? ~	1	09:31	9:30	? -	1		9:00			09:14	9:10	4	08:40	8:30	10	;		9:00			10:60	9:00				9:00	ស	36.96		,	ı,	08:55 0			
Day 42	Pre	08:10	7:45	25	;	08:57	8:30	27			8:00		!	08:45	01:8	35	07:55	7:30	25			8:00			08:05	8:00	v		_	_	10	07.58			87	07:50 0	7:45		,
Day 39	Pre	08:21	7:45	36	}	08:30	8:30	09		02:20	8:00	-30		05:50	01:8	001	07:10	7:30	-20			8:00				8:00				_	20	08:47			2	09:12 0	7:45	87	-
Day 36	Pre	08:36	7:45	51		09:25	8:30	55		07:08	8:00	-52		10:40	07:0	00+	01:18	7:30	-372			9:00		• •••		8:00	*			00:0		٠	7:30			00:10	7:45	85	
Day 32	Pre	08:29	7:45	44		09:50	8:30	20		07:20	8:00	-40	01.01	01:01	27.5		07:40	7:30	10	•	•	8:00					630		60:60	00:0	n o	09:15	7:30	105	7		7:45	79	
Day 29	Pre	08:20	7:45	35		09:01	8:30	31		07:37	8:00	-23	97.00		3 8	?	07:25	7:30	5-			8:00				8:00	642	26.90		20.5	2	12:12			1		7:45	83	
Day 25	7. 0.	08:25	7:45	40		08:35	8:30	ß		07:55	8:00	Ş.	00.60	8.10	505	3 .	07:32	7:30	7			8:00				00:8	108	78.35			;	08:51	7:30	٠	:				
Date		Act:	Schd:	Diff:	:.	Act:	Schd:	Diff:		Act:	Schd:	Diff:	Act	Schd	Diff:		Act:	Schd:	Diff:		Act:	Schd:	Diff:				Diff:	Acts				Act: 0	Schd:	Diff:				Diff:	
S. tdi.8		12	12	. 13		13	13	13	,	7	14	14	15	15	15		16	16	16		17	17	13	•	9 ;	9 9	81	19	19			20	50	20 ' 1				21 I	

Obtained Day 45.						,	<u>m</u>	ood Spe	Table 4-9 Blood Specimen PK Times	S
Date Day 44 Day 45 Day 48 Subj Time AM AM AM	Day 44 Day 45. AM AM				Day 51 AM	Day 54 AM	Day 57 AM	Day 72 AM	Day 180 AM	
Act: 08:45 08:38 (08:45 08:38		09:18		08:50	08:33	08:50	09:55	10:00	`
Schd: 7:30 7:30	7:30 7:30		7:30		7:30	7:30	7:30	7:30	7:30	
01 Diff: 75 68 108	75 68		108		80	63	80	145	150	
Act:										
02 Schd: 7:45 7:45 7:45 02 Diff:	7:45 7:45		7:45		7:45	7:45	7:45	7:45	7:45	
						,	,			
03 Schd: 8:20 8:20 8:20	B:20 8:20		09:00 8:20	_	08:20	08:10	8:28	13:54	00:00	
445 97	445 97		40		-10	-10	80	334	0 4	
04 Act:										
04 Schd: 8:00 8:00 8:00 04 Diff:	8:00 8:00		8:00		8:00	8:00	. 8:00	8:00	8:00	
05 Act:	•	٠								
05 Schd: 8:00 8:00 8:00	8:00 8:00		8:00		8:00	8:00	8:00	8:00	8:00	
05 Diff:				•		^				
06 Act: 09:50 09:25 08:48	09:50 09:25		08:48	•	. 08:55	08:55	08:40	08:55	08:55	
	8:20 8:20		8:20		8:20	8:20	8:20	8:20	8:20	,
06 Diff: 90 65 28	90 65		28		e.	32	20	35	35	•
07 ACE:					12:00	23:40	19:00	18:20	00:44	
	00:6 00:6		9:00		9:00	00:6	9:00	9:00	00:6	
07 Diff:					180	880	009	260	-496	
Act:		-								
08 Schd: 7:30 7:30 7:30	7:30 7:30		7:30		7:30	7:30	7:30	7:30	7:30	
DILLE										
Act:]	11:30	10:25	10:25		12:20	14:20	15:05	11:32	15:30	
	7:50 7:50		7:50		7:50	7:50	7:50	.7:50	7:50	
09 · Diff: 220 155	220	155	155		270	390	435	222	460	
10 Act: 15:20					10:30	13:35				,
10 Schd: 8:10 8:10 8:10	8:10 8:10		8:10		8:10	8:10	8:10	8:10	8:10	
	430				140	325		i ·	1	
11 Act: 09:40 14:03	09:40	14:03	ŧ							
Schd: 8:50	8:50 8:50		8:50		8:50	8:50	8:50	8:50	8:50	,
313	50 313							1	1	

										٠														•									
10/	Day 180	09:10	7:45	85		11:50	8:30	200		8:00		11:05	8:10	175	08:30	7:30	120		8:00			8:00				8:00			7:30	٠.		7:45	
	Day 72 AM	08:56	7:45	71		13:55	8:30	325		8:00		10:05	8:10	115		7:30		11:40	9:00	220	11.40	8.00	220	following day	08:30	8:00	06		7:30		90:60	7:45	
	Day 57 AM	08:15	7:45	30		13:09	8:30	279		8:00		14:07	8:10	357		7:30		17:25	8:00	265	17.25*	1	2005		09:15	8:00	75		7:30		00:60	7:45	
i	Day 54	08:28	7:45	43		17:00	8:30	510		8:00		11:45	8:10	215		7:30		15:15	8:00	435	91.91		435	drawn on	09:30	8:00	06		7:30		09:45	7:45	
1	Day 51 AM	08:40	7:45	55		10:57	8:30	147		8:00		10:40	8:10	150		7:30		08:45	8:00	45	ه است و		1485	* Blood	09:45	8:00	105	13:30	7:30	360	14:00	7.45	3
:	Day 48 AM	08.22	7:45	3.7	•	11:55	8:30	205		8:00		10:30	8:10	140	'	7:30	. • "	09:42	8:00	102		74:50	102	1	09:20	8:00	110	11:20	7:30	230	10:17	7.45	7
	Day 45 AM	30.00	7.45	908	}	09:42	8:30	72		8:00		16:18	8:10	488		7:30		18:00	8:00	009	•	00:81	9:00		09:07	8:00	1.9	10:58	7:30	208	10:50	7.45	
	Day 44 AM	60.00	7.45	. 4	;	09:40	8:30	70		8:00		13:55	8:10	345	31.60	7:30	105		8:00			,	00:8		08:40	8:00	40	08:35	7:30	65	08:56	2.7.5	•
	Date Time		ACE:			Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act	Schd:	piff:	, to 4	Schd:	Diff:	Act:	Schd:	Diff:		Act	Scha:	, , , ,	Act:	Schd:	Diff:	Act:	Schd:	. Diff:	Acts	ָּבְּרָבְיּ	
	Subj	:	7 :	., 2 . P 		13	13	13	14	14	14	15	15	15	4	16	16	17	17	17		8 1	æ .	9	19	13	19	20	20	20 ,	21	1 7	

Screen S	Subject	Drug	Chest	Pulmonary	onary	TSH			HbC		
Screen Screen Screen Day 42 Screen Scr	umber	Screen	X-Ray	Func	tion	րlU/ml	HIV	HBsAG	Serology	HbCAb	· ,
Normal Normal V.210 Normal Normal V.20 Normal V.20	ime>	Screen	Screen	Screen	Day 42	Screen	Screen .	Screen	Screen	Screen	,
1.0 Normal Norm											,
Normal Normal 1,70 Normal Normal 1,70	10		3	Normal	Normal		1	•			
1.70 1.70	02	1	•	Normal		0.67	,	•	-	B	
04 Normal Normal 0.11	03	1	1	Normal	Normal	1.70	•	•	•		,
05 - Normal Normal 0,70 - - - 06 - - Normal Normal 0,44 - - - 07 - - Normal Normal 0,50 - - - 10 - Normal Normal 1,70 -	04		•	Normal	Normal	0.11	•		1		
Normal	05	\$	•	Normal		0.70	1	•		ŧ	
07 Normal Normal 0.90	90	1	F	Normal	Normal	0.44	ı	•	•	1	
08 - Normal Normal 0.60 - - - - Normal 1.70 -	07	4	t	Normal	Normal	0.90	1	•	•	t	
09 - Normal Normal 1.70 - - - - Normal Normal 0.80 -	90		•	Normal		0.60	ı	1	•	•	
	60			Normal	Normal	1.70	1	1	-		
11 Normal Normal 1.90 Normal 1.45 -	10		•	Normal	Normal	0.80	1	•	1	1	
12 - Normal Normal 1.45 -	11	ı	•	Normal	Normal	1.90	\$	•	•	•	
13 - Normal Normal - <t< td=""><td>12</td><td>•</td><td>3</td><td>Normal</td><td>Normal</td><td>1.45</td><td>•</td><td>_</td><td>•</td><td>1</td><td></td></t<>	12	•	3	Normal	Normal	1.45	•	_	•	1	
14 -	13	•		Normal	Normal		-	1		ł	
15 - - Normal Normal 2.01 -	14	1		Normal		1.27	1		•	1	
Normal Normal 0.29 .	15	1		Normal	Normal	2.01	1	1	1	ß.	
- Normal 4.08 - + + - Normal Normal 1.40 - - - - Normal 0.70 - - - - - Normal Normal 1.67 - - - - Normal Normal Normal 2.36 - - - - Normal Normal Normal 1.67 - - - - Normal Normal 1.34 - - - - Normal 0.92 - - - - - Normal 4.08 - - - -	16	1		Normal	Normal	0.29	•	1	•	+	
- Normal Normal 1.40 - - -	17	•	7	Normal		4.08	1	•	+	•	
- - Normal Normal 0.70 -	18			Normal	Normal	1.40	1	ŧ	•	•	
- - Normal Normal 1.67 -	19	1		Normal		0.70	•	1	•	•	
- - Normal Normal 2.36 - - All = Not Obtained - - - - - All = Not Obtained 1.34 - - - - All = Not Obtained 1.34 - - - - All = Not Obtained 1.34 - - - - - All = Not Obtained 1.34 -	20		1	Normal	Normal	1.67		•		ı	
all = Not Obtained	21	•	ı	Normal	Normal	2.36	-	ı	•	•	
	11	lot Obtained									
	age					1.34					
4.08	Dev					0.92		·			
0.11						4.08					
						0.11					

16	118	134	06	118	114	114	140		108	128	113	130	116	102	106	98		105	98	112	80		111.8	15.0	140	8
15	126	132	106	126	104	126	158		122	127	108	102	110	108	117	102		107	120	110	8		115.8	15.1	158	90
4	131	149	130	140	110	133	128		112	122	108	128	114	100	102	105		110	127	126	92		119.3	14.9	149	92
13	128	128	94	126	114	122	139		122	119	06	129	108	109	114	104		96	98	118	100		112.9	14.9	139	98
12	134	130	118	132	110	124	140		122	124	100	134	110	128	104	106		104	118	114	102		118.6	12.4	140	100
=	116	124	95	132	108	124	128		104	138	104	120	104	116	122	100		106	96	104	66		112.6	12.9	138	95
9	123	129	95	122	113	125	137	106	108	114	89	116	92	100	110	. 94		103	118	114	96		110.2	13.3	137	89
6	118	137	95	122	108	114	133	115	116	125	93	122	106	107	107	108		112	104	118	92		112.6	12.1	137	92
80	114	136	96	123	114	116	134	126	118	97	102	122	118	124	116	102		94	125	122	106		115.3	12.2	136	94
	106	116	96	118	98	135	146	112	112	136	110	121	120	118	114	96		124	120	110	105		115.7	13.1	146	96
9	116	112	101	138	104	122	136	108	126	124	106	115	108	122	122	102		106	96	122	94		114.0	12.4	138	94
. 25	108	132	100	124	118	122	134	114	126	124	76	112	122	118	112	105		106	115	122	82		114.7	12.5	134	82
4	106	125	92	118	120	122	132	104	128	118	97	116	108	116	106	06		116	110	116	94		111.7	11.9	132	06
es :	112	122	107	108	114	127	118	106	120	114	98	118	109	114	116	06		108	134	132	06		112.9	11.8	134	06
2	112	117	116	112	102	108	144	118	128	122	106	132	115	104	117	104	119	114	128	125	83	ıHg	115.5	12.7	144	83
1	122	128	100	128	114	148	123	134	126	124	116	104	112	106	110	92	128	108	108	122	95	BP, mn	116.6	13.7	148	92
00		132	132	112	139	124	154	122	120	128	130	134	132	112	140	117	100		131	125	112	Systolic BP, mmHg	126.1	12.4	154	100
Subj / Day	01	02	03	04	05	90	70	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min .

Inits: mmHg

Table 6a-2 Vital Signs: Systolic BP

es i	1.	4-1	i	ဟ	ক		CO 1	ī		C	ı m	m !	~	(0)	(0	<u>~ </u>	<u> </u>	, ,		m i		10.	 		·	***	
33		114		96	124		123			110	108	113	143	146	136	138	118		124	128	117	115		122.1	13.6	146	96
32		128	142	98	132		132	120		116	124	126	132	124	124	124	134		126	118	115	120		124.2	9.5	142	86
31		130	134	86	132		134	120		125	132	128	118	113	131	136	116			118	124			124.3	10.1	136	98
30		120	136	106	124		128	126		120	126	140	112	116	136	102			137	146	124			124.9	12.3	146	102
29		126	124	116	117		122	122		140	132	130	135	122	114	133	108		142	130	120	118		125.1	9.2	142	108
28		130	138	91	132	124	140	126		116	120	124	142	124	126	110	128			120	124	113		123.8	11.9	142	91
27	1	120	142	106	122	148	112	135		127	152	127	122	112	119	134	129	/	124	116	125			126.2	12.3	152	106
26		138	138	106	128		116	144		114	135	116	134	122	123	130	117		130	103	112	117		123.5	11.7	144	103
25		118	145	06	124	120	133	139		116	122	124	120	120	118	128	06		108	120	116	97		118.3	14.4	145	06
24		120	136	98	132	123	120	136		125	112	110	116	114	114	122	98			124				118.8	11.3	136	98
23		136	113	136	134	113	124	138		132	125) }		122	135	143			:	108	136			126.3	11.4	143	108
22		134	122	96	140	_	114	140		108	116	128	116	122	138	127	104		_	112	104	103		119.2	13.1	140	96
21			134	06	06	110	130	164		124	112	106	112	116	118	116	106		107	100	114	96		113.6	17.4	164	06
20			120	6	134	107	122	136		116	119	127	124	107	118	116	110		114	118	114	91		115.7	12.1	136	06
19		120	116	90	110	109	120	126		118	132	114	130	124	116	114	110		86	119	120	105		115.3	10.3	132	06
18		122	112	92	123	108	118	148		110	136	110	126	112	118	110	98		100	106	116	103		114.1	13.3	148	92
17		132	122	92	132	118	108	128		108	120	86	100	114	122	86	92		96	106	119	98		110.1	14.3	132	98
Subj \ Day		0.1	02	03	04	05	90	0	08	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min .

Units: ..mHg

Table va-3 Vital Signs: Systolic BP

Subi \ Dav	34	35	36	37	38	39	40	41	42	43	44	45	48	51	54	57	72
															9	,	100
9	100	108	108	116	118	116	132	112	116	110	122	126	122	124	128	116	130
02	126	136															
03	94	108	114	110	102	112	100	106	98	86	116	124	106	96	114	113	106
04	134	132	134	118													
05															1		
90	130	134	132	124	116	125	120	130	114	130	115	132	134	124	120	132	122
07		126	140	132	108	136	117		142	121				122	108	152	134
08																	
60	112		117	120	115	104	126	108	112	109	114	132	126	115	116	120	115
10	152	119	122	120	115	122	116	104	116	132	128	120		130	124		
11	138	116	130	119	134	125	134	108	94	112	104	118					
12	128	118	106	123	116	126	123	102	134	126	126	106	126	131	128	126	147
13	120	120	120	120	128	112	131	106	106	120	106	122	128	132	118	112	120
14	124	138	154	124	125	144	127										
15	112	123	114	136	130	122	128	122	108	139	110	125	116	124	132	114	138
16	120	111	110	131	115	108	106	97	104	112	116				•		114
17											1						
18	124	138		120	126		130	132	119	128		122	138	112	134	134	136
19	114	119	126	112	123	124	131	119	128	98	122	ND	136	116	116	105	113
20	124	118				130	118	119	92	116	121	126	124	112	132	108	
21	121	124	116			120	134	115	100	107	102	96	134	112	100	123	100
Summary:														. 0	0007	0.707	1000
Average	121.9	122.8	122.9	121.7	119.4	121.7	123.3	112.9	112.2	117.2	115.5	120.8	126.4	119.2	120.8	C.121	122.3
Std Dev	13.6	6.6	13.2	7.1	8.8	10.5	10.0	10.4	14.4	12.2	8.3	10.3	9.2	10.1	10.2	13.2	14.2
	152	138	154	136	134	144	134	132	142	139	128	132	138	132	134	152	147
	94	108	106	110	102	104	100	97	92	98	102	96	106	96	100	105	100

Units: mmHg

Table va-4 Vital Signs: Systolic BP

180	114		112			144	125		116	•		126	117		140	123	:	<u>;</u>					124.1	11.3	144	112
Subj / Day	01	02	03	904	05	90	20	80	60	10	11	12	13	14			17	18	19	20	21	Summary:	Average	Std Dev	Max	Min

Figure 1: SD & Range Charts for Systolic BP, mmHg

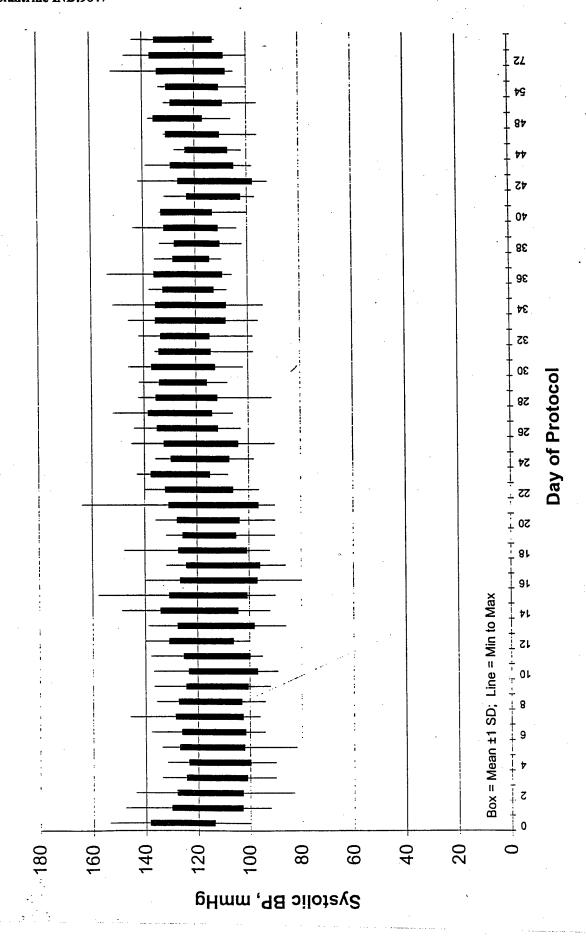
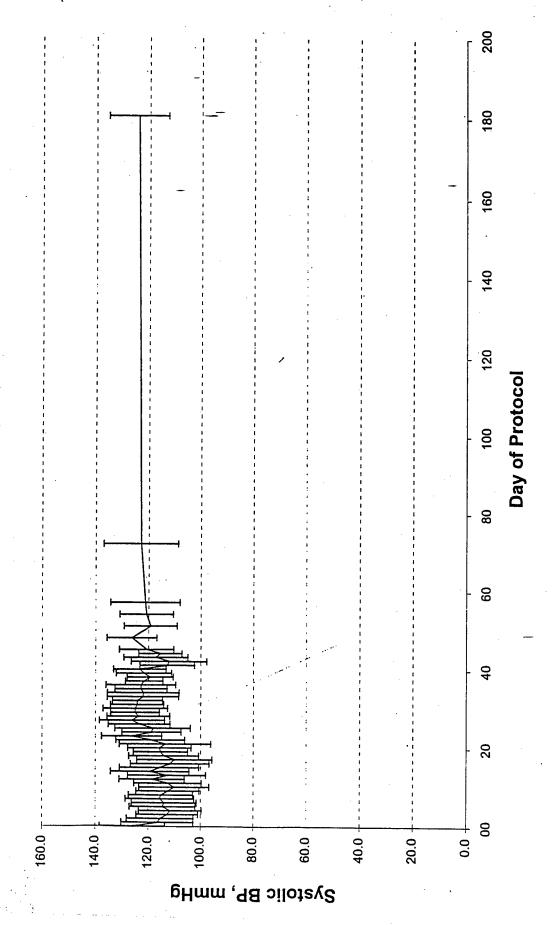


Figure 2: Systolic BP, mmHg

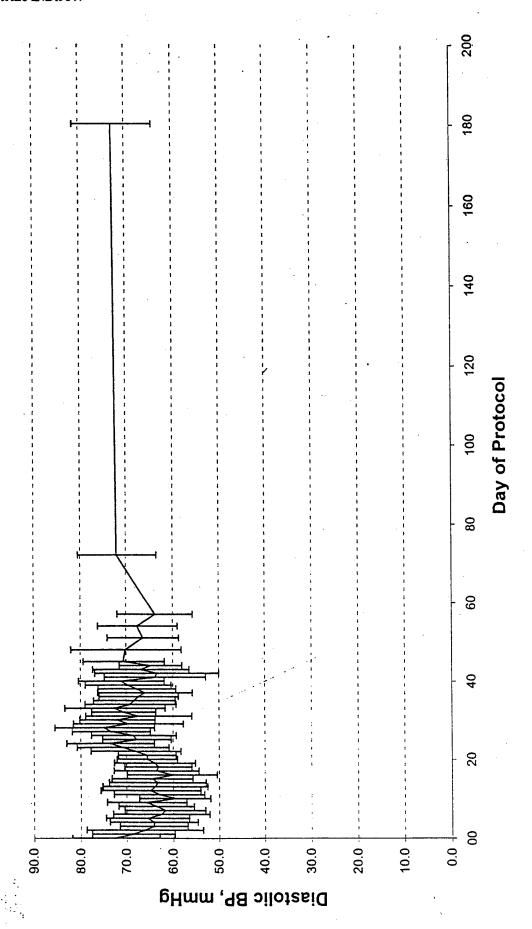


20	63	61	56	72	62	89	99		64	64	74	72	58	75	62	74		65	99	72	25			65.6	6.5	75	52
19	22	99	46	9/	99	2	72	-	62	75	62	71	62	72	61	29		52	47	99	58		-	63.9	8.7	9/	46
18	89	20	48	67	99	99	64		09	70	64	82	09	64	59	09		65	99	64	64		-	63.2	7.2	82	48
17	70	09	46	9/	99	2	72		62	75	62	11	62	72	61	29		52	47	99	21		-	63.6	9.1	9/	46
16	74	29	48	64	62	70	64		52	89	64	8	48	52	46	62		09	52	62	48		-	60.2	9.7	8	46
15	71	84	56	89	58	72	74		74	72	28	89	52	28	89	09		56	64	28	54		-	64.5 6	8.7	84	52
14	02	98	46	20	52	2	99		56	28	9/	82	28	54	52	99		09	09	64	64		\vdash	63.4 6	10.4	98	46
13	74	62	52	82	64	78	78		20	69	54	78	52	89	54	52		20	99	9/	55			63.9	11.3	82	20
12	64	74	20	98	09	89	9/		26	69	09	84	48	74	56	64	_	58	72	09	54			64.9 6	10.8	98	48
7	62	09	42	76	26	8	89		09	28	09	9/	20	64	64	29		64	74	64	26			63.0	9.7	84	42
9	61	64	52	89	20	62	28	57	55	72	26	99	44	26	20	52		54	99	71	28			59.6	7.7	72	44
6	65	63	28	99	58	61	77	53	72	73	78	99	26	80	52	89		09	9/	72	09		_	65.7	8.5	8	52
æ	89	89	52	72	62	89	62	64	100	26	72	72	54	2	26	99		48	80	99	22			63.7	8.1	80	48
_	09	44	20	09	54	20	99	62	99	89	28	82	09	72	63	26		64	28	09	22	-		61.8	8.7	85	44
9	89	26	25	28	26	80	72	29	62	20	09	29	46	74	09	09		28	26	88	49			62.6	10.4	88	46
S	64	28	46	99	99	71	9/	62	29	99	99	72	62	64	74	89		99	74	88	54			65.6	8.9	88	46
4	89	2	20	28	09	78	64	25	72	99	26	72	26	62	64	28		64	90	89	26			64.2	9.4	90	20
3	9	89	69	99	58	28	09	64	64	62	9	9/	22	29	28	09		89	77	80	25		D	64.2	7.3	8	25
2	74	66	54	90	54	74	78	2	99	20	29	82	26	99	47	64		99	2	71	44		, mmHg	66.2	12.6	66	44
-	74	68	99	72	64	96	9	80	89	72	74	78	62	89	89	62	65	.0	09	2	54		lic BP,	68.7	8.9	96	54
00	64	72	99	80	68	8	84	70	99	68	88	78	64	84	71	09	92	73	80	20	09		Diastolic BP,	72.5	9.5	06	26
Subj / Day	01	02	03	04	05	90	07	08	60	10	11	12	13	14	15	16	17	18	19	20	21		Summary:	average	stdev	max	min

Table ob-2 Vital Signs: Diastolic BP

Subj / Day	01	05	03	04	05	90	07	08	60	10	11	12	13	14	15	16	17	18	19	20	21		Summary:	average	stdev	max	min
21	70	74	56	69	. 64	70	72		58	64	64	72	9	68	59	70		61	56	9/	63			9.59	6.2	92	56
77	62	74	28	86	70	64	02		90	71	72	82	58	85	61	72		62	70	48	68			68.1	9.7	98	48
23	72	22	54	20	9/	9/	99		. 70	98	64	99	65	89	81				62	80				70.9	9.9	89	54
24	98	72	20	84	84	82	84		69	80	92	78	99	99	68	99	99		74					73.6	9.5	98	20
25	68	74	54	84	74	72	65		89	74	70	70	99	89	72	58		54	72	62	64			67.8	7.4	84	54
26	64	64	22	82		70	62		80	85	74	74	09	80	99	71		62	64	64	61			68.5	9.2	82	20
27	9	74	09	76	72	72	68		9/	78	79	74	99	85	73	92		8	09	9/				73.4	8.5	92	99
28	99	78	47	84	98	78	70		97	70	80	80	64	72	70	98			20	78	71			74.8	10.8	97	47
29	70	61	52	54		88	54		98	72	80	80	29	92	64	22		8	11	72	99	 		69.7	11.9	96	52
30	64	89	78	9/		73	68		63	99	80	99	62	80	62			82	83	74				72.1	8.2	89	62
31	99	67	52	76		88	9		26	55	98	99	22	84	56	20			72	89				67.4	11.4	88	52
32	72	73	58	74		99	99		64	89	82	79	63	72	74	84		68	9/	20	63			70.7	6.9	84	28
33	70		99	82		79			56	64	20	75	9/	83	86	71	,	8	72	71	29			72.6	10.9	86	29
34	56	20	46	82		78			54	74	99	11	28	92	20	72		72	72	74	77			69.2	9.8	82	46
35	54	63	68	20		88	64			64	72	80	61	65	72	65		82	68	70	26			68.4	8.8	88	54
36	64		26	99		80	70		99	99	78	09	53	80	9	68			78		64			67.4	8.6	80	53
37	54		44	89		78	64		58	72	71	73	99	99	9	75		58	84					66.1	10.2	84	44
38	64		56			72	50		64	9/	78	99	64	29	71	65		78	78					67.8	8.4	78	20
39	62		64			76	78		56	99	70	78	62	89	99	74			96	78	57			69.7	9.3	8	56
40	. 74		52		84	57		71	8	78	80	69	71	67	64			29	87	70	68			71.2	9.3	87	52
41	62		54			84		58	54	48	74	58		54	54	68		80	74	72	64			63.9	10.9	84	48

Figure 4: Diastolic BP, mmHg



Units: BPM

Table 6c-1 Vital Signs: Heart Rate

Subj \ Day	8	1	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20
													`								
01	89	71	02	61	62	52	63	7.1	74	09	22	56	71	22	98	58	62	82	76	99	99
02	87	53	98	26	29	58	65	54	63	53	7.1	28	26	20	99	9/	61	99	20	22	61
03	77	64	73	69	51	57	52	61	61	55	26	89	92	87	69	29	29	29	28	22	91
04	80		65	64	9/	64	64	69	69	67	69	99	84	84	92	9/	73	83	. 98	88	83
05	54	54	20	65	48	29	57	29	54	53	53	62	53	54	48	22	53	50	26	22	09
90	87		22	53	64	22	6	29	59	58	61	99	99	29	61	69	57	92	29	99	
07	62	:	42	47	54	47	29	63	5	99	99	29	61	70	73	79	77	64	69	29	7
80	46	61	62	26	53	22	51	51	54	55	22										
60	52		20	53	51	53	47	52	52	52	55	20	46	20	48	25	48	57	47	49	
10	83	74	71	74	83	74	9/	69	83	74	0,	74	64	63	93	99	99	29	91	88	
11	107	93	. 75	64	99	65	64	29	63	73	61	65	61	58	61	09	E9	67	65	71	98
12	09	89	49	9	61	99	65	64	65	79	99	09	63	29	09	81	29	71	69	69	70
13	64	43	42	46	43	46	49	46	48	48	44	45	44	42	.43	46	90	43	45	44	41
14	09			48	46	48	48	46	45	20	46	48	48	20	45	46	54	48	20	46	
15	70	9	77	64	28	69	29	29	59	28	62	29	64	09	22	48	53	54	71	9	9
16	82	85	70	7.	74	69	65	20	7.1	73	70	69	63	62	70	29	79	67	69	70	67
17																·					
18	70	:	09		į,	63	61	79	62	64	58	78	09	99	09	09	99	62	99		67
19	70	56	29	65	70	76	67	74	- 67	81	09	77	69	73	99	87	64	63	69	70	29
20	62	!	65	64	52	63	63	63	55	92	06	29	09	29	99	09	61	59	09	62	69
21	71		59	20	26	69	63	61	20	99	22	63	09	- 57	78	59	59	99		28	72
Summary	Heart Rate,	Rate, B	BPM								,										
Average	71.5	64.0	64.2	60.7	29.7	60.7	60.2	62.3	6.09	63.7	61.7	62.6	60.7	63.6	63.8	64.4	62.3	61.6	65.3	64.1	66.1
Std Dev	14.6	13.9	12.9	9.8	10.5	9.0	7.5	9.0	9.3	11.8	10.0	9.0	9.5	12.0	13.4	11.8	8.6	10.2	13.6	12.0	13.0
Max	107	93	98	74	83	9/	92	79	83	92	96	78	84	87	93	87	79	83	86	88	91
Min	46	43	42	46	43	46	47	46	45	48	44	45	44	42	43	46	48	43	45	44	41

Subj / Day	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
,																			1	1	18
01	71	71	77	96	80	91	61	71	29	9	99	2	62	65	65	62	23	23	69	6	62
02	65	81	52	99	7.1	69	85	77	79	87	88	114		107	85						
03	09	57	70	48	57	09	59	7.1	63	28	28	69	64	63	67	62	62	61	73	82	8
04	83	92	110	88	93	93	91	9	7.1	83	74	82	81	83			78				
05	57	53	99	73	53		9/	63													
90	64	69	83	87	87	89	69	88	68	73	77	20	9/	83	73	2	9/	82	74	69	96
07	89	70	91	88	70	93	85	74	09	77	61	69			99	53	99	49	92	20	
08													-					i	1	8	1
60	46	50	63	09	74	96	09	83	63	61	65	79	22	63		99	62	54	20	9	SG
10	70	85	81	83	70	104	107	9/	88	91	91	73	81	91	93	63	81	79	54	87	8
1	63	109	7.1	83	73	87	79	29	77	74	7.1	74	29	62	9/	74	74	74	9/	83	74
12	99	70	71	83	83	89	11	85	74	70	64	81	99	81	71	65	69	20	89	9/	83
13	45	48	69	74	62	65	44	20	53	74	48	63	81	29	26	26	62	55	54	63	20
14	20	57	83	57	09	64	59	26	62	56	53	53	22	70	52	79	20	22	53	53	
15	52	61	81	85	74	7.1	79	64	74	79	9/	81	94	73	92	62	69	83	83	85	83
9	74	85		104	85	101	81	81	87		79	70	11	70	73	81	83	77	71	89	91
7	•				1								-								
18	73	77	:	1	85	83	83		96	87		81	91	83	104		85	89		79	87
19	56	79	67	22	70	99	74	64	79	89	99	20	02	79	69	73	73	69	81	64	64
20	70	63	!		58	62	ಣ	09	63	61	<u> </u>			61	53				61	51	54
21	09	62	i !	i	61	28		55	28			62	69	11	61	62			57	65	61
					!																
Summary																			1		
Average	64.1	70.9	75.1	6.77	72.5	81.7	74.3	72.4	73.3	73.8	69.1	75.1	73.0	75.6	73.0	67.2	70.9	69.5	68.9	(7.5)	72.1
Std Dev	11.7	15.7	ļ	15.0	11.4	15.5	15.0	13.0	12.3	11.8	12.0	13.0	11.6	12.3	14.9	9.5	9.4	12.8	12.4	14.4	15.7
	89	109	110	104	93	104	107	100	96	91	91	114	94	107	104	8	82	8	68	8	96
-	45	48	52	48	53	09	44	20	53	99	48	53	22	29	25	23	S	49	20	20	20
	1												ĺ								

01 63 02 87 04 05 06 59 07 69	3 64								
		2	6.4	64	53	69	69	77	76
			L	5	3				
		74	74	81	81	99	99	73	62
	9 52	59	71	77	29	77	29	61	11
	9 46				71	70	88	73	20
09 20	0 45	69	52	51	9	25	89	53	69
10 66	65	79	87		79	93			
11 64	4 62	73	89						
12 74	4 74	9	62	76	85		85	69	20
13 45	5 50	09	69.	53	61	61	52	61	65
14									
15 60	71	65	92	9/	70	73	58	107	93
16 63	3 73	91							
17									
18 59	9 29	83	83	9/	83	91	85	89	
19 76	3 76	69		85	81	79	9/	59]
20 57	7 62	61	61	28	73	26	59		:
21 61	74	22	69	11	91	74	70	62	
Summary									
Average 63.7	62.7	69.4	71.4	69.7	72.0	71.5	69.6	72.2	70.3
Std Dev 10.3	3 11.2	10.1	11.3	11.7	11.1	11.4	12.0	15.5	12.6
Max 87	79	91	83	82	85	93	89	107	93
Min 45	5 45	59	52	51	53	56	52	53	50

SD & Range Charts for Heart Rate, BPM Figure 5:

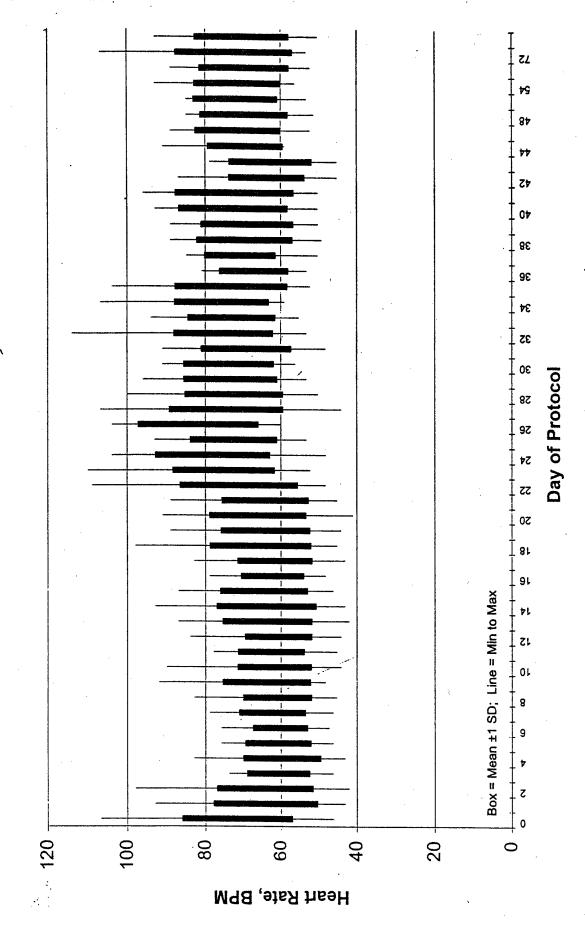


Figure 6: Heart Rate, BPM

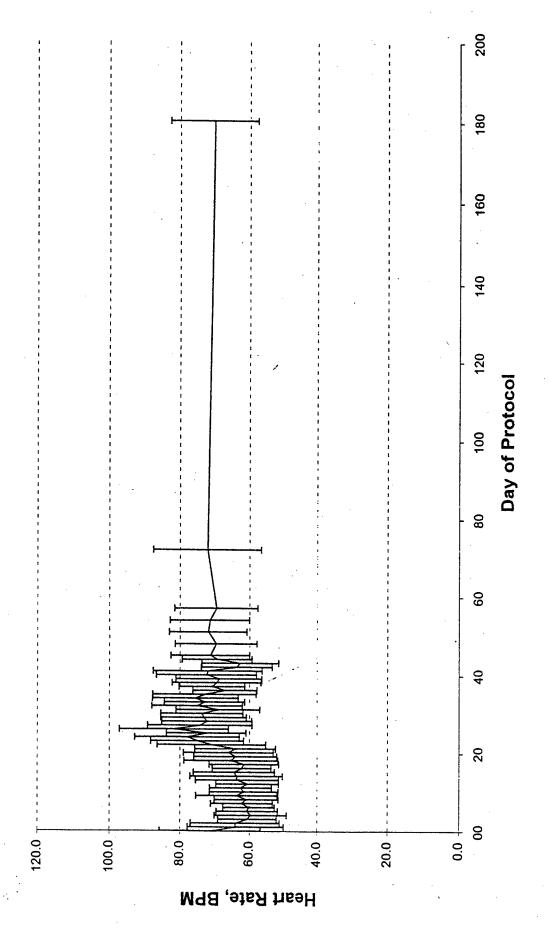


Table 6d-1 Vital Signs: Body Temperature

Subi / Day	00	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20
9	37.0	35.8	36.1	35.6	35.3	35.7	36.2	36.2	35.6	36.1	36.2	35.7	35.6	35.5	36.1	35.5	36.1	36.5	36.0	35.9	36.4
02		36.4	36.2	35.8	38.7	35.5	36.2	36.3	36.6	36.8	37.1	36.7	36.3	36.2	35.4	36.2	35.5	35.5	35.6	36.2	35.5
03	36.6	36.6	36.6	36.1	36.4	36.7	36.6	36.4	37.0	36.8	37.1	36.7	36.3	36.6	36.1	36.7	36.7	37.0	37.0	36.7	36.8
04	36.9	L	36.7	36.4	36.7	36.7	36.5	36.8	36.7	36.8	36.5	36.7	36.8	36.9	36.9	36.7	36.9	36.5	37.8	37.7	36.6
05	36.3	1	36.2	36.7	35.8	35.9	36.2	36.4	36.1	36.2	36.2	36.0	36.3	36.3	36.3	36.0	36.0	35.9	36.5	35.9	36.4
90	37.0	J	.L		34.4	36.0	36.0	36.2	35.8	36.3	35.8	36.3	35.9	35.9	35.9	36.0	36.3	36.8	36.6	36.7	36.3
07	36.2	36.3	35.4	35.9	36.7	35.9	36.0	36.2	35.8	36.3	35.8	36.3	35.9	35.9	35.9	36.0	36.3	36.8	36.6	36.7	36.3
08	36.6	36.0	36.3	36.1	35.9	36.1	36.1	36.0	36.0	36.4	36.2										
60	36.6	36.1	36.6	36.0	36.1	36.0	36.0	36.2	36.2	36.2	36.4	36.1	35.8	36.2	36.1	36.2	36.3	36.3	35.9	36.1	36.1
10	37.0	36.7	36.9	36.7	36.9	36.9	37.4	37.1	36.3	36.4	36.9	36.8	36.8	36.7	35.5	36.7	36.9	36.9	36.9	38.1	36.5
-	36.8	1	<u>i</u>	36.6	36.6	36.0	36.7	36.4	36.6	36.7	36.7	36.3	36.4	36.2	36.3	36.3	36.0	36.2	35.8	36.4	36.2
12	35.6	.1		35.6	35.6	35.8	35.0	35.6	36.0	36.3	35.9	35.7	36.0	35.6	35.5	36.4	35.6	36.2	36.4	36.1	35.5
13	36.9	1		1	36.1	36.0	35.9	36.0	36.2	36.2	35.5	35.9	35.7	35.7	36.1	35.6	35.0	36.2	35.5	35.8	35.8
14	36.5	1			36.4	36.4	36.3	36.3	36.2	36.4	36.5	36.5	36.5	36.1	36.5	36.6	36.4	36.6	36.5	36.5	36.5
15	35.6	i.	Ь.	1	36.0	35.6	35.4	36.0	36.2	36.1	35.7	35.5	35.7	35.7	35.7	35.3	36.0	36.0	36.0	36.0	35.5
16	36.5	36.7	36.2	36.0	36.4	36.3	35.9	36.4	36.3	36.4	36.2	36.0	36.5	36.5	36.2	36.0	36.0	36.5	36.1	36.3	36.2
17	37.0	•																			
18	36.4	36.0	36.2	36.1	36.0	36.2	36.7	36.1	36.1	36.0	36.0	36.1	36.1	36.1	36.4	36.2	36.4	36.1	36.4	36.6	36.1
19	37.0	36.5	36.3	36.2	36.3	36.3	36.3	36.3	36.0	36.4	35.6	36.4	36.1	36.0	36.2	36.5	37.0	35.2	35.8		36.2
20	36.8	j	1	36.2	36.3	36.1	36.1	36.3	36.4	36.4	36.2	36.4	36.0	36.0	36.4	36.4	36.0	36.1	36.4	37.1	36.4
21	36.7	35.8	36.5	36.3	36.1	36.3	35.9	36.4	35.8	36.1	36.4	36.1	35.9	36.1	35.8	35.9	35.8	36.4	36.6	35.9	36.0
Summary	Body Temperature	mpera	-	ပ္																	
Average	36.6	36.3	36.3	36.1	36.2	36.1	36.2	36.3	36.2	36.4	36.2	36.2	36.1	36.1	36.1	36.2	36.2	36.3	36.3	36.5	36.2
Std Dev	0.4	0.5	0.4	0.3	9.0	0.4	0.5	0.3	0.3	0.2	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	9.0	9.0	0.4
Max	37.0	37.6	37.3	<u></u>	38.7	36.9	37.4	37.1	37.0	36.8	37.1	36.8	36.8	36.9	36.9	36.7	37.0	37.0	37.8	38.1	36.8
Min	35.6	35.6	35.4	35.6	34.4	35.5	35.0	35.6	35.6	36.0	35.5	35.5	35.6	35.5	35.4	35.3	35.0	35.2	35.5	35.8	35.5

Table 6d-2	Vital Signs: Body Temperature

Subj \ Day	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
														V							
01	36.1	35.6	36.7	36.2	36.3	35.9	36.1	36.5	36.0	35.2	36.7	36.3	36.0	35.4	34.6	36.0	36.3	35.2	36.6	35.6	35.3
. 02	35.1	35.3	35.7	36.0	35.9	36.1	36.3	36.7	36.5	36.5	36.4	38.2		38.3	36.9						
03	36.8	36.6	36.7	36.4	36.7	35.8	36.5	36.6	36.7	36.4	36.2	36.7	36.2	36.8	36.5	36.6	36.5	36.7	35.7	36.6	36.1
04	37.0	36.7	37.1	36.7	37.2	37.0	36.7	37.2	36.8	36.9	36.7	36.8	37.0	36.9	36.6	36.6	36.8				
05	36.1	36.1	34.8	35.3	35.0		35.7	35.8													
90	36.6	36.4	36.4	36.7	36.1	37.0	37.0	36.5	37.0	36.6	36.7	36.7	37.0	37.1	36.0	35.9	36.9	36.9	36.4	36.0	36.9
20	36.6	36.7	36.4	35.5	36.2	36.6	36.9	39.9	36.7	35.5	36.3	36.7			36.6	36.5	36.6	35.6	36.2	35.6	
80																					
60	36.3	36.0	36.3	37.0	36.4	35.8	36.0	36.4	36.2	36.2	36.4	36.1	36.5		36.3	36.7	36.5	36.2	36.2	36.2	36.1
10	36.9		36.2	36.1		35.9	37.0	36.8	36.9	35.8	36.4	36.9	36.6	36.4	35.5	36.4	36.6	36.3	36.6	36.9	36.7
-	36.3	36.1	35.3	36.3	35.7	35.8	36.1	36.0	36.0	36.3	36.4	36.1	36.7	36.9	36.1	36.4	36.6	35.5	36.2	36.6	36.7
12	36.0			: !			35.7	35.8	36.1	36.0	36.4	35.5	36.6	35.8	36.0	35.8	35.4	35.6	36.2	35.4	35.2
13	35.9	36.3	35.0	36.3	34.8	35.6	35.0	39.7	34.8	34.8	35.3	39.5	35.0	33.2	35.5	35.1	36.2	36.0	35.5	34.8	35.2
14	36.5	36.0	37.2	36.1	36.2	36.5	35.9	36.4	35.5	35.8	36.1	36.9	36.4	35.4	36.5	36.7	36.3	35.7	36.1	36.6	
15	35.3	35.0	35.7	35.8	35.3	36.0	36.0	35.8	36.0	34.7	34.6	36.1	35.3	34.1	35.1	35.1	35.4	36.0	35.0	35.4	36.0
16	36.3	36.0		36.7	36.7	36.8	35.8	36.2	36.3		36.1	36.2	36.9	36.1	35.9	36.1	36.2	36.0	36.1	35.8	36.3
				:				:		,	:	<u>:</u> !			I i	 					
18	36.2	36.5			35.8	36.6	36.8		36.5	35.8	:	36.7	36.6	36.1	36.7	!	36.5	35.3	:	36.8	36.3
19	36.0		35.7	35.4	34.4	36.4		35.5	36.3	36.5	36.7	36.3	36.7	36.1	36.1	36.7	36.4	36.2	36.3	36.3	36.4
20	36.3		36.6		36.3	36.5	35.5	36.7	36.8	36.0	36.6	36.5	36.1	36.0	36.0				36.2	36.4	36.1
21	36.0	36.2			36.1	36.0	36.1	36.3				36.1	36.3		36.0	36.3			35.7	35.6	35.8
a anno 10 general graphy della									,								,				
Summary																					
Average	36.2	36.1	36.1	36.1	36.0	36.3	36.2	36.7	36.3	35.9	36.3	36.7	36.4	36.0	36.1	36.2	36.3	35.9	36.1	36.0	36.1
Std Dev	0.5	0.5	0.7	0.5	0.7	0.4	0.5	1.2	9.0	9.0	9.0	6.0	9.0	1.2	9.0	0.5	4.0	0.5	0.4	9.0	0.5
Max	37.0	36.7	37.2	37.0	37.2	37.0	37.0	39.9	37.0	36.9	36.7	39.5	37.0	38.3	36.9	36.7	36.9	36.9	36.6	36.9	36.9
Min	35.1	35.0	34.8	35.3	34.4	35.6	35.0	35.5	34.8	34.7	34.6	35.5	35.0	33.2	34.6	35.1	35.4	35.2	35.0	34.8	35.2



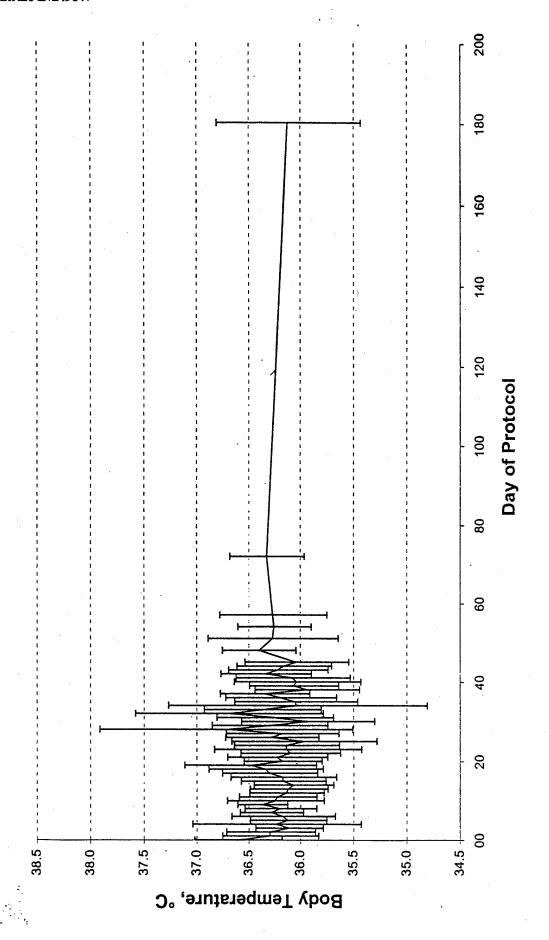
Table 6d-3 Vital Signs: Body Temperature

01 36.0 36.1 35.4 35.1 36.0 35.8 36.1 36.3 35.8 36.1 36.3 35.8 36.1 36.3 36.8 36.1 36.3 36.8 36.1 36.2 36.1 36.2 36.1 36.2 36.1 36.2 36.2 36.4 36.6 36.2 36.4 36.6 36.2 36.4 36.6 36.2 36.7 36.2 36.4 36.7 36.2 36.7 36.2 36.7 36.2 36.7 36.2 36.7 36.2 36.7 36.2 36.7 36.2 36.7 3	Subj \ Day	42	43	44	45	48	51	54	22	72	180
02 30.0 30.1 30.2 30.1 30.2 30.1 30.2 30.1 30.2 30.1 30.2 30.1 30.2 30.1 30.2 30.1 30.2 30.2 30.2 30.2 30.2 30.2 30.2 30.4 30.2 30.2 30.4 30.2 3	0	0 00	7 00	7 20	2 7 7	0	0	3	0	i c	0
02 36.9 37.0 36.7 36.9 36.5 37.0 36.7 36.9 36.9 36.9 36.0 36.0 36.0 36.0 36.0 36.2 36.0 36.2 36.0 36.2 36.4 36.4 36.7 36.4 36.7 36.4 36.7 36.4 36.7 36.4 36.7 36.4 36.7 36.7 36.4 36.7 3	-	20.U	 9	4.00	33.1	30.U	33.8	30.1	30.3	32.8	30.0
03 36.9 37.0 35.7 35.9 36.5 37.0 36.6 36.0 36.2 04 36.2 36.4 36.4 36.6 36.4 36.7 36.8 36.4 36.7 05 36.2 36.4 36.4 36.6 36.4 36.7 36.4 36.7 36.7 36.4 36.7 36.7 09 36.7 36.3 36.5 36.2 36.7 36.7 36.7 36.7 36.7 10 36.7 36.8 36.9 36.9 36.9 36.7 36.7 36.7 36.7 36.7 14 36.4 36.5 36.8 36.9 36.9 36.9 36.9 36.7 36.7 36.7 36.7 36.7 15 36.0 36.9 36.9 36.9 36.9 36.9 36.9 36.9 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7	.02										
04 904 05 36.2 36.4 36.4 36.4 36.6 36.3 36.4 36.7 06 37.2 36.3 36.4 36.4 36.4 36.1 37.1 36.7 08 36.2 36.4 36.5 36.2 36.4 36.1 37.1 36.7 10 36.7 36.8 36.8 36.6 36.2 36.2 36.2 36.3 36.3 36.5 36.2 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.0	03	36.9	37.0	35.7	35.9	36.5	37.0	36.6	36.0	36.2	36.7
05 36.2 36.4 36.4 36.6 36.3 36.6 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.7 3	04										
06 36.2 36.4 36.4 36.6 36.3 36.4 36.4 36.9 36.4 36.7 36.4 36.7 3	05										
07 37.2 35.8 36.4 36.4 36.1 37.1 36.7 08 36.1 36.3 36.5 36.2 36.7 36.2 36.5 36.2 10 36.7 36.6 36.4 36.6 36.7 36.7 36.2 36.5 36.2 11 36.4 36.6 36.8 36.6 35.0 36.7 36.1 36.0 12 36.8 36.6 36.9 36.6 35.9 36.5 36.6 36.0 14 36.0 36.0 36.1 36.2 36.5 36.5 36.5 36.5 36.7 16 36.1 36.0 36.1 36.2 36.5 36.7 36.7 36.7 36.7 36.7 36.3	90		36.2	36.4	36.4	36.6	36.3	36.6	36.4	36.7	36.7
08 36.1 36.3 36.5 36.2 36.7 36.2 36.5 36.0 <	20	37.2	35.8				36.4	36.1	37.1	36.7	36.4
09 36.1 36.3 36.5 36.5 36.7 36.2 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.5 36.0 11 36.4 36.6 35.8 36.0 35.0 36.0	80										
10 36.7 36.6 36.4 36.6 36.6 36.7 36.7 36.6 36.7 36.7 36.7 36.7 36.7 36.7 36.7 36.1 36.0 <	60		36.1	36.3	36.5	36.2	36.7		36.5	36.2	36.8
11 36.4 36.5 36.6 36.6 36.6 36.0 <	10	36.7	36.6	36.4	36.6	i	36.7			 	Ì
12 35.8 35.8 35.6 35.8 36.0 35.0 35.0 36.0 <	1	36.4		36.4	36.6						
13 36.0 35.5 36.0 36.6 35.9 35.8 36.6 36.9 36.6 36.9 36.6 36.9 36.7 36.8 36.7 <	12	35.8	35.8	35.6	35.8	36.0	35.0	35.5	35.0		35.3
14 36.1 36.0 36.4 35.2 35.8 35.5 36.5 36.2 36.2 36.7 15 36.2 36.6 36.9 36.1 36.5 36.5 36.2 36.2 17 36.1 36.9 36.1 36.4 36.7 36.1 36.4 36.7 19 36.3 36.4 37.0 36.1 36.4 36.3 36.3 20 36.4 36.3 36.0 36.5 36.8 36.4 36.3 21 36.0 36.4 36.3 36.5 36.2 36.4 36.2 21 36.0 36.4 36.3 36.5 36.2 36.4 36.2 36.0 36.6 36.4 36.3 36.3 36.3 36.3 36.0 36.2 36.0 36.4 36.3 36.3 36.3 37.2 37.2 36.3 36.3 36.3 36.3 37.2 37.2 36.3 36.3 36.3 37.2 37.0 36.9 36.6 37.1 36.7 37.2 37.0 36.8 37.1 36.7 36.3 35.0 35.0 35.0 35.0 35.7	13	36.0	35.0	35.5	36.0	36.6	35.9	35.8	36.6	36.6	35.4
15 36.1 36.0 36.4 35.2 35.8 35.5 36.5 36.5 36.2 36.7 16 36.2 36.0 36.9 36.1 36.7 36.1 36.4 36.5 36.5 36.5 36.5 18 36.1 36.1 36.1 36.4 36.4 36.3 36.7 36.4 36.7 20 36.4 36.3 36.3 36.0 36.5 36.5 36.3 36.2 36.4 36.2 19 36.0 36.4 36.3 36.5 36.2 36.4 36.3 36.2 21 36.0 36.3 36.2 36.3 36.3 36.3 36.3 36.3 10s 0.4 0.5 0.5 0.4 0.6 0.4 0.5 0.4 10s 37.2 37.0 36.8 37.1 36.7 37.2 37.0 36.3 36.3 36.3 36.3 37.2 37.0 36.9 36.0 37.0 36.9 37.1 36.7 37.2 37.0 36.8 37.1 36.7 36.7 36.0 36.0 37.1 36.7 36.3 36.0 35.0 35.0	14	: : .		 		:				:	i :
16 36.2 36.6 36.9 36.1 36.1 36.1 36.1 36.1 36.2 36.5 36.7 36.2 36.4 36.2 36.4 36.2 36.2 36.2 36.2 36.2 36.3 36.2 36.2 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.7 <	15	36.1	36.0	36.4	35.2	35.8	35.5	36.5	36	36.7	35.1
17 18 36.1 36.1 36.3 36.4 36.3 36.0 36.4 36.3 36.0 36.6 36.3 36.0 36.6 36.3 36.0 36.6 36.3 36.0 36.6 36.3 36.3	16	36.2	36.6	36.9					į	36.5	36.7
18 36.1 36.1 36.1 36.1 36.4 36.7 35.7 19 36.3 36.4 37.0 36.1 36.4 36.9 36.6 20 36.4 36.3 36.0 36.5 36.8 36.8 36.9 36.6 21 36.0 36.6 36.3 36.3 36.5 37.2 36.2 36.4 36.2 Imary rage 36.2 36.2 36.0 36.4 36.3 36.3 36.3 Dev 0.4 0.5 0.5 0.6 0.4 0.5 0.4 37.2 37.0 36.9 36.6 37.0 36.8 37.1 36.7 36.8 35.0 36.4 36.0 36.0 36.0 36.0 36.0 37.2 37.0 36.8 37.1 36.7 36.7 36.7 36.8 35.0 35.1 35.0 35.0 35.7 35.0	17	:		 	İ					!	!
19 36.3 36.4 37.0 36.1 36.4 35.9 36.6 20 36.4 36.3 36.0 36.5 36.8 36.8 36.1 36.3 21 36.0 36.6 36.4 36.3 36.5 37.2 36.2 36.4 36.2 Imary rage 36.3 36.2 36.0 36.4 36.3 36.3 36.3 Dev 0.4 0.5 0.5 0.4 0.6 0.4 0.5 0.4 37.2 37.0 36.9 36.6 37.0 36.9 36.0 37.0 36.9 36.7 36.8 35.0 35.4 35.1 36.7 35.0 35.7	18		36.1		36.1	36.7	36.1	36.4			
20 36.4 36.6 36.3 36.5 36.8 36.8 36.1 36.2 21 36.0 36.6 36.4 36.3 36.5 37.2 36.2 36.4 36.2 21 36.0 36.6 36.1 36.2 36.4 36.2 36.4 36.2 36.4 36.3 36.3 36.3 36.3 36.3 36.3 36.3	19		36.3	36.4		37.0	36.1	36.4	35.9	36.6	-
21 36.0 36.6 36.4 36.3 36.5 37.2 36.2 36.4 36.2 Imary rage 36.2 36.2 36.2 36.0 36.4 36.3 36.3 Dev 0.4 0.5 0.5 0.5 0.4 0.6 0.4 0.5 0.4 37.2 37.0 36.9 36.6 37.0 37.0 36.8 37.1 36.7 36.8 35.0 35.4 35.1 35.1 35.0 35.5 35.0 35.7	20	36.4	36.6	36.3	36.0	36.5	36.8	36.8	36.1		
rage 36.3 36.2 36.0 36.4 36.3 36.3 36.3 Dev 0.4 0.5 0.5 0.5 0.4 0.6 0.4 0.5 0.4 37.2 37.0 36.9 36.6 37.0 37.0 36.8 37.1 36.7 35.8 35.0 35.4 35.1 35.1 35.0 35.7 35.0 35.7	21	36.0	36.6	36.4	36.3	36.5	37.2	36.2	36.4	36.2	
mary 36.3 36.2 36.0 36.4 36.3 36.3 36.3 36.3 Dev 0.4 0.5 0.5 0.5 0.4 0.6 0.4 0.5 0.4 37.2 37.0 36.9 36.6 37.0 37.0 36.8 37.1 36.7 35.8 35.0 35.4 35.1 35.1 35.0 35.5 35.0 35.7											
rage 36.3 36.2 36.2 36.0 36.4 36.3 36.3 36.3 36.3 Dev 0.4 0.5 0.5 0.5 0.4 0.6 0.4 0.5 0.4 37.2 37.0 36.9 36.6 37.0 37.0 36.8 37.1 36.7 35.8 35.0 35.4 35.1 35.1 35.0 35.5 35.0 35.7	Summary				,						ļ
Dev 0.4 0.5 0.5 0.4 0.6 0.4 0.6 0.4 0.5 0.4 37.2 37.0 36.9 36.6 37.0 37.0 36.8 37.1 36.7 35.8 35.0 35.4 35.1 35.8 35.0 35.7 35.7	Average	36.3	36.2	36.2	36.0	36.4	36.3	36.3	36.3	36.3	36.1
37.2 37.0 36.9 36.6 37.0 37.0 36.8 37.1 36.7 36.7 35.8 35.0 35.4 35.1 35.8 35.0 35.5 35.0 35.7	Std Dev	0.4	0.5	0.5	0.5	0.4	9.0	0.4	0.5	0.4	0.7
35.8 35.0 35.4 35.1 35.8 35.0 35.5 35.0 35.7	Max	37.2	37.0	36.9	36.6	37.0	37.0	36.8	37.1	36.7	36.8
	Min '	35.8	35.0	35.4	35.1	35.8	35.0	35.5	35.0	35.7	35.1

SD & Range Charts for Body Temperature, 8£ Box = Mean ±1 SD; Line = Min to Max Body Temperature, °C

Dec. 17, 1998

Figure 8: Body Temperature, °C



148.5 167.5 164.8 15.8

Units: Pounds

Table 6e-1 Body Weight

159 159
145 144
172 173.5
181.5 179
167 166
168 169
147 148
182 183
140 140
164 164
<u> </u>
168 168
152 152
173 172
177 179
200 202
165.5 165.7 165.6
15.8 16.2
200 202
140 140

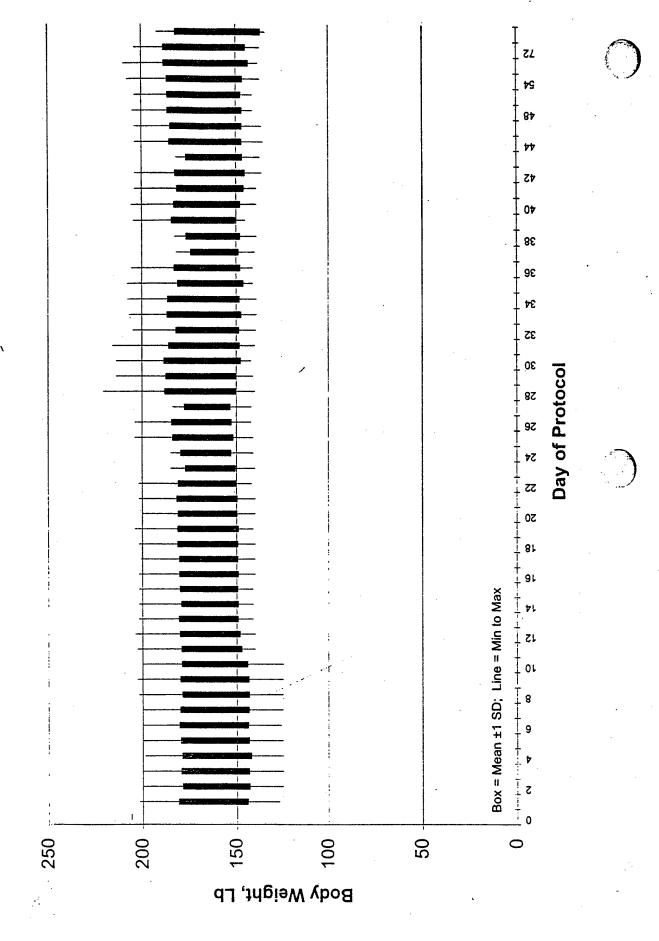
Units: Pounds

Table 6e-3 Body Weight

22	147	<u> </u>	100	2	7	473	2	T	1	i	-	184	138	3	160	3	-	15	707	0	140	2	<u> </u>	0	22.0	٥١٥	730
54		\downarrow			\bot				1	-							_				_			165.9			
	147		150			170				169		183		5	164	5		450	174	100	200	200		166 5	200.5	200	407
51	148	1	148	2		171	=			170	2	184 5	141		158	3		450	2 6	647	207	707		1660	10.0	200	144
48	140	12	150	3		472	7		+			183	141		158			150	177	787	205	3		188 5	19.0	205	3 7
45	150	100	150	3		172 5	2	\dagger		168	151	184	136		158		+	154	181	180	204	-	+	165.9	10.1	204	136
44	149	2	150	3		172	:		+	169	144	183	136		161	169	3		177	181	204			166.2	19.3	204	136
43	148		144		+	172	:			167	150	182	137		158	168	3		173	179		1		161.6		182	137
42	149		146			169			<u> </u>	167	148	184	136	-	156	169		150	173	179	204			163.8	1	204	136
41	149		151			169				165	144	184	139	168	159	171		150	175		204			163.7	.1.	204	139
40	150		151.5			172				165	148	182	139	166	156	171		152	178	180	206		-	165.5	17.7	206	139
68	149.5		152			172				165	150	183	145	168	158	171			179	180	205		-	167.5	16.9	205	145
38	151		151			172.5			<u> </u> - 	167	150	183	139	168	155	170		145	176	182				162.3	14.5	183	139
37	150		149.7	162		172			:	168	149	182	140	168	159	171		151	178	<u> </u>		-	-	161.5	12.9	182	140
36	150		150	164		171			: 	165	151	183	141	167	160				1771	<u> </u>	206			165.4	17.7	206	141
35	149.5		150	163	-	170			<u> </u> 	168	151	183	141	164	156	172	<u> </u> 	153	<u> </u>		208			163.7	17.6	208	141
34	150	206	150	150		171			166	168	151	183	139	165	156	174	!	155	175	178	208			167.4	19.2	208	139
33	150	206	151	151		173			168	169	153	184	139	165	151			153	176	177	207			167.1	19.8	207	139
Subj / Day	01	02	03	04	05	90	. 07	80	60	10	11	12	13	14	15	16	17	18	19	20	21		Summary:	Average	Std Dev	Мах	Min

	1.7	180
_		
5	150	152
02		
03	152	147
04		
90		
90	174	172
20		
80		
60		
10		
11		
12	183	192
13	137	134
14		
15	155	
16		
17		
18		
19	178	
20		
21	204	
Summary:		
Average	166.6	159.4
Std Dev	21.9	22.8
Max	204	192
Min	137	134

SD & Range Charts for Body Weight, Lb Figure 9:



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Figure 10: Body Weight, Lb Day of Protocol 0.0 Body Weight, Lb

Dec. 17, 1998

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Subject SCR DAY 0 DAY 28 DAY 54 DAY 84 DAY 112 DAY 140 DAY 168	03	10	F
CR	1	•	ı
DAY 0	•	J	•
DAY 28	•	•	
DAY 54		•	-
DAY 84	ı		
DAY 112			
DAY 140			
DAY 168			

		DAY	DAY	DA√	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DA
Subject	Scrn	0	-	4	7	14	24	28	35	42	54	72	180
-				i									
- -	۵. ا	8.5	6.4	6.2	7.0	7.0	5.1	5.6	5.1	7.4	5.7	6.8	9.0
2	4.5	5.0	3.3	4.6	4.9	5.5	5.7	5.2	3.2				
က	4.5	5.2	5.2	4.1	2.7	4.5	3.5	3.5	3.4	4.0	3.7	5.9	3.0
4	7.5	7.2	6.2	6.8	9.0	7.1	7.0	6.3	9.9	6.4			
2	4.3	3.7	3.2	3.0	3.1	3.5	3.8	3.4	3.1				ľ
9	4.3	4.1	4.0	4.9	4.0	4.2	4.4	4.4	3.9	4.0	3.7	6.4	5.8
~	5.3	5.0	3.9	4.3	4.5	5.7	0.9	4.5		5.0	6.1		
80	3.7	3.6	5.0	5.4	4.3		!	i :		1	· :		!
6	5.5	6.4	9.9	8.0	7.2	6.7	6.2	5.7	6.8	7.0	5.8		
9	5.3	4.4	4.7	4.5	4.8	4.5	5.2	5.2	4.6	4.4	5.0		
7	8.8	5.6	4.1	4.5	5.4	6.0	7.9	6.3		6.3			
12	6.1	4.5	3.8	4.1	4.1	4.0	4.2	3.7	4.3	3.9	4.3		
13	5.6	6.0	5.0	5.1	5.8	5.5	5.3	4.0	4.6	3.7	0.9		
14	11.7	8.1	7.7	7.7	9.3	6.7	7.0	8.2					
15	6.4	0.9			5.4	5.4	5.0	6.4	6.9	6.1	5.8		8.7
16	5.7	6.5	5.6	5.8	5.3	5.6	5.7	5.9	6.0	5.5			5
17	6.7	8.4	6.0	;	:	:	:						
18	4.5	4.6	4.3	5.1	5.7	6.5	6.0	5.0	4.9	3.8	4.6		
19	5.6	7.3	5.7	10.8	8.8	10.8	7.0	6.2	5.2	6.4	5.6		
70	4.7	5.1	3.6	4.4	5.1	4.8	5.2	5.8	3.6	3.3	6.1		
21	6.7	6.9	6.3	9.9	9.9	7.6	6.2	5.4	5.4	5.4	5.4	5.2	
Summary:	WBC, Thousands/cu mm	usands/c	n mm										
Average	0.9	5.8	5.1	5.6	5.7	5.9	5.6	5.3	4.9	5.2	5.2	6.1	5.9
Std Dev	1.9	1.5	1.2	1.8	1.5	1.7	1.2	1.2	1.3	1.3	0.9	0.7	2.3
Max	11.7	8.5	7.7	10.8	9.3	10.8	7.9	8.2	6.9	7.4	6.1	6.8	8.7
Min	3.7	3.6	3.2	3.0	3.1	3.5	3.5	3.4	3.1	3.3	3.7	5.2	30

180 72 Figure 11: SD & Range Charts for WBC, Thousands/cu mm 54 42 35 28 Day of Protocol 21 4 Box = Mean ±1 SD; Line = Min to Max 0 Scrn 10 12 9 ω ~ 0 WBC, Thousands/cu mm

Figure 3: SD & Range Charts for Diastolic BP, mmHg Day of Protocol Box = Mean ±1 SD; Line = Min to Max Diastolic BP, mmHg

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		DAY	DAY	DAY	DAY	DAY	DAY	ΡΑΥ	NAV	740	> 40	740	> 40
Subject	Scrn	0	_	4	7	14	77	28	35	4	2 2	3 2	2 6
									3	4	5	7,	3
01	15.8	17.3	17	14.8	14.9	14.2	15.5	13.2	13.9	13.9	14	14.7	14.3
02	15.3	16.3	14.1	15.4	15.1	16.4	15	15	14.9	14.5			
03	14.1	13.3	15.2	12.9	13.2	14.5	12.5	13.3	11.6	12.5	12.3	12.2	12.1
40	14.9	14.8	15.4	14.8	14.2	14.1	13.6	13.9	13.6				
05	14.8	14	13.7	13.5	13.1	13.2	13.6	14.1					
90	14.2	14.3	14.2	13.8	13.5	13.8	13.1	13.5	14	13.6	13.2	13.4	14.5
07	14.2	12.7	12.4	13	13.3	12.8	12.8	12.2		12	12.7		
80	13.9	13.7	13.7	13.5	13.2								
60	14.2	14.3	14.2	14.8	13.8	13.7	12.9	13.8	12	13.9	13.5		
. 01	12	11.8	11.9	11.5	11.4	11.4	10.2	10.8	11	11.4	11.7		
11	12	11.9	12	11.7	12.1	10.9	11.3	10.4		10.7			
12	15.6	13	14.2	13.8	14	13	13.2	13.8	14.1	13.9	13.8		
13	14.9	14.4	14.7	14	13.6	13.4	13.8	13.6	13.9	14.7	13.4		
14	15.4	14	14.2	15.1	13.8	15.3	15	14.4	14.8				
15	17.6	15.9	15.4	15.8	14.4	14.9	13	15.8	16.1	14.8	14.5		
16	14.7	13.8	13.9	14.4	13.8	12.9	13.2	13,3	13.6	12.3			
17	16.2	16.1	16										
18	13	13.4	13.6	13.5	13.4	13.2	12.6	12.4	12.7	12.8	13.1		
19	15.1	14.5	15	15.5	15.4	15.3	14.8	14.7	14.8	14.7	14.5		
20	15.9	14.4	15	16.9	14.9	14.6	15.1	19.3	15	14.9	15.4	16.1	
21	15.2	15.1	14.8	14.5	14.9	14.6	13.5	14.2	14.5	15.3	14.7	15.1	
Summary:	Hemoglobin, g/dL	oin, g/dL											
Average	14.7	14.2	14.3	14.2	13.8	13.8	13.4	13.8	13.8	13.5	13.6	14.3	13.6
Std Dev	1.3	1.4	1.2	1.3	1.0	1.3	1.3	1.9	4.1	1.4	1.0	1.5	1.3
lax	18	17	17	17	15	16	16	19	16	15	15	16	15
Min	12	12	12	12	=	Ę	10	10	#	11	12	12	12

180 SD & Range Charts for Hemoglobin, g/dL 54 35 28 Day of Protocol 21 14 Box = Mean ±1 SD; Line = Min to Max Figure 12: 0 Scrn 20 15 10 2 0 Hemoglobin, g/dL

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Subj \ Day	42	2 43	3 44	45	48	51	1 54	4 57	7 72	18
01	78	3 56	3 64	0/	64	1 72	2 62	54	99	9
02				58						
03	50	99	3 - 58	<u> </u>	56	9	99	54	09	9
04		1								
05				88				<u> </u>	-	!
90	20	78	1 62		98	87	80	20	62	80
07	72	74				64	99	8	L	8
80										9
60	09	28	89	62	62	62	62	89	74	76
10	99	9/	74	74		09	72			
11	48	65	89	8						
12	85	98	64	73	78	77	72	72	78	74
13	52	09	9	63	9	2	09	56	73	9
14										
15	55	99	20	99	09	9	99	8	84	78
16	99	99	64		ļ !					8
17		ļ :		i	 	i 				
18	78	79		62	.86	52	80	99	82	
19	74	46		8	88	74	78	65	68	
20	36	64	74	76	68	99	72	58		
21	62	09	64	99	64	68	63	61	84	
Summary:										
average	63.5	6.99	64.8	9.07	70.2	66.4	67.6	63.8	72.0	72.8
stdev	13.4	10.4	6.7	8.8	12.0	7.7	8.6	8.1	8.5	8.6
max	82	98	74	88	88	78	8	80	84	84
min .	36	46	20	28	26	52	26	54	9	9
									7	

		 										ب											 				-
DAY	180	43.0		35.5			41.0																	39.8	3.9	43.0	35.5
DAY	72	44.5		36.8			39.3						,								47.6	43.3		42.3	4.3	47.6	36.8
DAY	54	41.8		36.8			39.7	39.1		40.3	34.4		40.4	40.2		41.8			39.6	42.7	46.0	43.8		40.5	2.9	46.0	34.4
DAY	42	40.9	43.3	37.0			40.0	36.8		42.2	34.6	32.5	40.8	42.5		43.5	37.6		39.6	42.9	43.5	44.5		40.1	3.5	44.5	32.5
DAY	35	40.3	43.4	34.5	40.5		39.7			36.2	33.5		40.5	40.6	44.2	47.0	41.3		38.4	43.9	44.0	41.0		40.6	3.6	47.0	33.5
DΑΥ	28	38.8	43.3	38.7	41.8	43.2	38.9	38.9		42.5	33.4	31.9	40.0	38.6	42.4	45.0	39.7		37.4	43.0	56.3	41.4		40.8	5.0	56.3	31.9
DAY	27	45.4	44.4	37.6	39.8	41.4	37.8	38.7		39.3	31.2	35.4	40.0	39.4	44.1	37.0	39.0		37.0	44.1	43.5	38.9		39.7	3.5	45.4	31.2
DAY	4	41.0	48.7	42.2	41.0	39.0	39.9	37.0		39.9	33.5	33.6	39.4	37.8	44.1	42.2	38.4		40.8	45.0	43.3	42.8		40.5	3.7	48.7	33.5
DAY	7	43.0	44.3	39.7	42.1	39.5	39.4	36.8	39.5	36.4	32.0	36.2	42.9	40.0	44.3	43.9	42.3		40.5	44.8	44.3	43.3		40.8	3.4	44.8	32.0
DAY	4	43.5	45.2	37.6	43.2	40.6	40.5	39.3	41.3	44.5	34.3	34.0	43.0	40.9	43.9	1	42.8		40.8	45.3	45.5	41.9		41.7	3.4	46.0	34.0
DAY	-	49.7	41.9	44.6	45.2	41.2	41.7	37.9	40.8	41.7	35.8	34.5	43.4	43.2	41.4		43.0	47.4	40.4	44.0	43.6	42.8		42.3	3.4	49.7	34.5
DAY	0	48.0	46.0	40.1	42.9	42.2	41.2	38.3	41.8	42.8	35.3	35.2	40.0	42.5	41.7		:	48.4	40.2	44.1	42.4	43.8	it, %	42.2	3.5	48.4	35.2
	Scrn	46.5	45.3	41.8	47.4	41.6	42.0	43.0	42.9	42.9	35.4	36.5	47.9	44.9	44.5	53.3	43.5	48.3	38.9	45.5	45.5	42.9	Hematocrit, %	43.8	4.0	53.3	35.4
	Subject	-	2	3	4	5	9	7	80	6	10	1	12	13	4	15	16	17	18	19	20	21	Summary:	Т	Std Dev	Max	Min

Figure 13: SD & Range Charts for Hematocrit, % Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn Hematocrit, %

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5.09 4.86 DAY 4.42 4.79 0.34 180 4.42 5.08 4.39 4.54 4.74 0.26 5.08 DAY 72 4.77 4.70 4.39 4.59 4.55 4.28 3.97 4.42 4.64 4.74 4.56 0.29 4.74 4.47 4.27 5.01 4.97 5.01 4.57 3.97 DAY 54 3.66 5.19 4.25 0.40 5.19 4.63 4.79 3.99 4.28 4.30 3.66 DAY 42 4.87 4.37 4.64 4.21 4.71 4.51 4.97 4.52 4.45 4.60 4.94 4.50 4.58 4.15 3.85 4.34 4.48 4.75 5.60 **4.63** 5.08 4.35 4.49 0.55 5.60 3.03 DAÝ 35 4.42 4.90 4.50 4.98 4.48 4.84 3.82 4.22 4.30 4.56 5.10 4.44 4.40 4.99 5.54 4.49 4.55 0.45 5.54 3.60 DAY 28 4.61 4.31 5.14 4.33 4.43 4.74 4.35 4.16 4.46 3.55 3.98 4.16 4.39 4.72 4.46 4.43 5.12 4.20 4.44 0.38 5.14 3.55 4.92 4.51 DAY 21 4.27 4.56 4.65 3.82 3.80 4.15 4.25 4.72 5.08 4.32 4.73 5.18 4.22 4.66 4.55 0.43 5.39 5.39 4.90 4.58 3.80 DAY 14 4.57 4.15 4.15 4.65 4.70 DAY 7 4.94 4.49 4.63 4.59 4.85 3.98 3.66 4.47 4.42 4.68 5.22 5.23 4.34 4.58 0.39 5.23 3.66 4.71 DAY 4 4.93 4.84 4.69 4.36 4.85 5.03 3.91 3.89 4.50 4.52 4.75 5.49 4.73 5.28 4.62 4.61 4.69 0.39 5.49 3.89 4.67 5.01 4.31 4.78 DAY 5.66 5.12 4.99 4.72 4.18 4.83 4.54 4.82 4.82 5.54 4.73 5.09 4.72 0.44 5.66 4.81 4.07 4.01 4.51 5.37 4.81 4.31 4.01 4.67 RBC, Millions/cu mm 4.76 5.49 5.18 4.76 4.85 4.80 4.32 4.94 4.90 4.18 4.76 5.68 4.75 5.65 4.70 0.48 5.68 DAY 4.01 4.51 5.01 4.01 4.57 4.01 0 Scrn 4.99 5.30 4.78 4.86 4.88 4.18 4.99 6.36 4.49 4.92 0.49 6.36 5.61 4.01 4.77 4.01 5.01 4.71 4.91 5.27 4.47 5.01 Summary: Subject Average Std Dev 15 17 e 5 7 12 13 4 19 27 2 4 မှ œ Max Ξ

180 72 Figure 14: SD & Range Charts for RBC, Millions/cu mm 54 42 35 28 Day of Protocol 21 7 Box = Mean ±1 SD; Line = Min to Max 0 Scrn 9 2 က · 0 RBC, Millions/cu mm

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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
01	88.0	87.0	87.8	88.2	87.0	86.9	88.2	87.5	87.6	88.2	88.1	87.5	84.0
02	2.06	89.0	2.68	90.1	90.0	6.06	90.2	88.3	87.8	88.9			
03	87.8	87.8	86.9	87.2	88.4	0'98	86.9	82.8	85.6	84.8	85.9	83.8	80.0
04	89.3	90.06	9.06	89.5	90.9	89.0	89.9	2.06	90.0				
05	87.0	86.8	87.2	86.8	86.0	85.0	87.3	9.98					
90	86.4	82.8	86.7	86.0	86.0	85.7	87.0	86.8	86.7	86.3	9.98	80.4	84.0
07	90.0	90.3	90.7	90.1	90.0	88.6	89.0	89.7		87.4	87.4		
80	85.6	84.6	84.5	85.1	84.0								
60	87.9	87.2	86.7	88.3	83.5	87.1	88.2	87.7	87.3	88.0	88.6		
10	88.3	88.0	88.0	87.7	97.8	87.5	87.7	87.4	86.9	9.98	86.5		
11	87.3	87.6	86.0	87.4	87.2	88.5	88.8	88.5		88.8			
12	95.9	95.4	92.6	92.6	96.0	92.8	96.2	94.2	94.7	93.0	94.7	94.6	
13	89.5	89.3	9.68	90.3	90.3	88.9	9.68	89.9	9.06	90.2	91.0		
14	94.0	92.4	91.2	92.4	94.7	93.2	93.4	92.8	92.8				
15	83.8	82.3	81.8	83.7	83.9	83.1	81.8	83.1	84.0	83.7	83.5		
16	89.0	89.7	89.3	89.3	91.0	89.0	87.0	89.4	89.1	88.4			
17	85.9	85.6	85.6										
18	9.98	85.5	85.2	86.1	86.1		83.0	85.1	86.1	86.5	85.4		
19	86.3	87.9	86.0	82.8	85.6	86.7	86.2	85.9	86.4	86.2	82.8		
20	101.7	101.1	101.2	0.66	102.1	102.4	101.9	101.6	101.0	101.1	100.5	99.7	
21	90.0	91.4	2.06	8.06	8.06	91.7	92.7	92.1	0.06	90.7	92.4	91.4	
Summary:	MCV, fL			-									
Average	89.1	88.8	98.6	89.0	89.1	89.2	89.2	89.1	89.2	88.7	89.0	9.68	82.7
Std Dev	04.0	04.0	04.1	03.6	04.6	04.5	04.5	04.1	04.2	04.0	04.6	07.1	02.3
Max	101.7	101.1	101.2	99.0	102.1	102.4	101.9	101.6	101.0	101.1	100.5	2.66	84.0
<u>:</u>	83.8	82.3	81.8	83.7	83.5	83.1	81.8	83.1	84.0	83.7	83.5	80.4	80.0

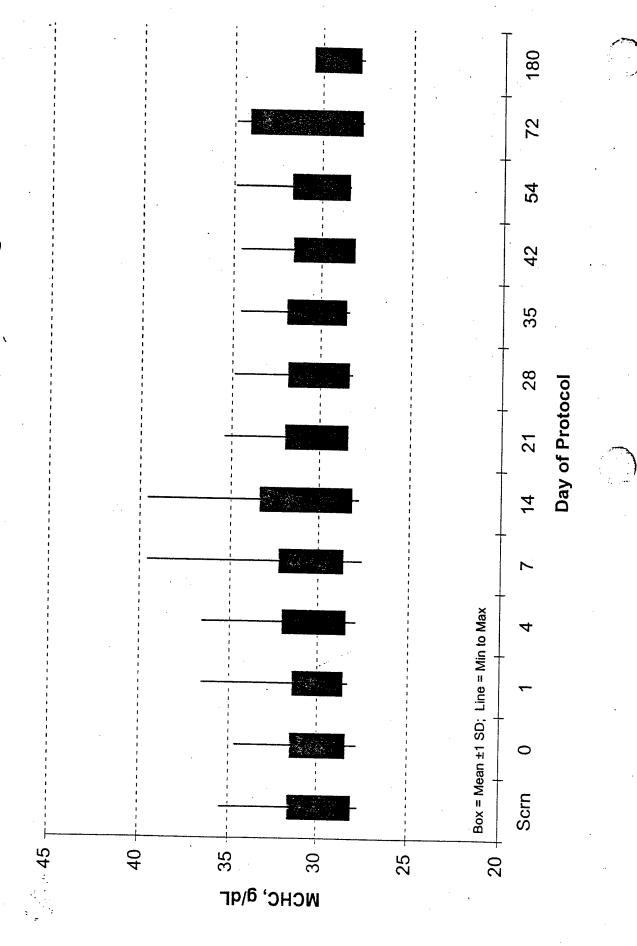
SD & Range Charts for MCV, fL Day of Protocol Figure 15: Box = Mean ±1 SD; Line = Min to Max Scrn MCV, fL

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Table 8f	MCHC

Subject 01 02		5	DAY	DAY	DAY	DA√	DAY						
02	Scrn	0	-	4	7	41	21	28	35	42	54	72	180
02													
02	29.9	31.5	30.0	30.1	30.2	30.1	30.1	29.8	30.3	30.1	29.6	29.0	30.1
2	30.6	31.5	30.1	30.8	30.8	30.3	30.4	30.6	30.1	29.8			
3	29.6	29.1	29.6	29.9	29.4	29.6	28.9	29.5	28.8	28.7	28.9	27.7	27.7
04	28.2	31.0	31.0	30.6	30.6	30.8	30.7	30.2	30.2				
05	28.9	28.9	29.0	28.9	28.5	28.9	28.6	28.3					
90	29.3	29.7	29.5	29.4	29.4	29.7	30.1	30.0	30.6	29.4	28.9	29.4	29.8
07	29.8	30.1	29.7	29.8	33.4	30.8	30.8	28.3		28.4	28.4		
08	27.9	27.8	28.3	27.9	28.0								
60	29.2	29.3	29.6	29.3	33.2	29.9	28.8	28.6	28.8	29.0	29.8		
10	29.8	29.5	29.2	29.4	31.3	29.9	28.7	28.2	28.6	28.5	29.5		
1	28.8	29.6	29.9	30.0	29.1	28.6	28.5	29.0		29.3			
12	31.2	31.2	31.3	30.8	31.3	31.5	31.8	32.7	32.5	32.5	32.3		
13	29.8	30.2	30.5	31.0	30.8	39.6	31.5	31.5	31.1	31.2	30.4		
44	32.7	31.1	31.5	31.8	31.7	32.4	31.8	31.5	31.2				
15	27.7	28.0	28.7	28.9	27.6	29.4	28.8	29.9	28.8	28.5	29.0		
16	29.9	29.0	28.9	30.1	29.6	29.9	29.6	29.9	29.3	29.0			
17	28.9	28.4	28.9										
18	28.9	28.5	28.6	28.5	28.5	27.8	28.4	28.3	28.4	28.3			
19	28.6	29.0	29.5	29.5	29.4	29.5	28.9	29.4	29.1	29.6	29.1		
20	35.5	34.4	34.7	36.6	34.4	34.7	35.4	34.9	34.6	34.6	33.9	33.8	
21	31.9	31.6	31.4	31.5	31.4	31.3	32.0	31.6	31.7	31.2	31.1	34.9	
				•									
χ.	MCHC, g/dl	뉨											
Average	29.9	30.0	30.0	30.2	30.4	30.8	30.2	30.1	30.3	29.9	30.1	31.0	29.2
Std Dev	01.8	01.6	01.4	01.8	01.8	05.6	01.8	01.7	01.7	01.7	01.6	03.2	01.3
Max	35.5	34.7	36.6	36.6	39.6	39.6	35.4	34.9	34.6	34.6	34.9	34.9	30.1
Min	27.7	27.8	28.3	27.9	27.6	27.8	28.4	28.2	28.4	28.3	28.4	27.7	27.7

Figure 16: SD & Range Charts for MCHC, g/dL



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Subject	Scrn	0	-	4	7	14	77	28	35	42	54	72	180
9	34.1	36.3	34.2	34.1	34.7	34.6	34.1	34.0	43.6	34.1	33.6	33.2	35.9
02	33.7	35.3	33.6	34.1	34.2	33.6	33.7	34.7	34.3	33.5			
03	33.7	33.2	34.1	34.3	33.2	34.4	33.3	34.3	33.6	33.8	33.6	33.1	34.3
97	31.5	34.4	34.2	34.1	33.6	34.5	34.2	33.3	33.6				
05	33.2	33.3	33.3	33.2	33.3	33.9	32.8	32.7					
90	33.8	34.6	34.0	34.3	34.2	34.7	34.8	34.5	35.3	34.0	33.3	34.0	35.4
07	33.3	33.3	32.7	33.1	37.1	34.8	34.8	31.5		32.5	32.5		
90	32.5	32.9	33.4	32.8	33.3								
60	33.2	33.5	34.1	33.2	37.9	34.4	32.7	32.6	33.0	33.0	33.6		
10	33.7	33.5	33.2	33.5	33.4	34.1	32.7	32.3	32.9	32.9	34.0	:	
11	32.9	33.8	34.7	34.3	33.3	32.3	32.0	32.7		33.0			
12	32.8	32.6	32.7	32.2	32.6	33.1	33.1	34.5	35.0	34.3	34.2		
13	33.3	33.8	34.0	34.3	34.1	35.5	35.2	35.1	34.4	34.5	33.4		٠.
14	43.8	33.6	34.5	34.4	33.5	34.7	34.0	33.9	33.6				
15	33.1	33.9	35.0	34.5	32.9	35.3	35.1	35.2	34.3	34.1	34.1	34.6	
16	33.1	32.4	32.4	33.7	32.5	33.6	34.1	33.4	32.8	32.8			
17	33.5	33.2	33.7										
18	33.3	33.2	33.6	33.0	33.1	32.3	34.3	33.2	33.0	32.3	33.1		
19	33.1	32.9	34.4	34.3	34.3	34.0	33.6	34.2	33.7	34.4	33.9		
20	34.9	34.0	34.3	36.8	33.6	33.8	34.7	34.4	34.2	34.2	33.5	33.9	
21	35.4	34.5	34.5	34.6	34.5	34.1	34.5	34.3	35.2	34.4	33.7	31.9	
Summary:	MCH, pg	-											
Average	33.9	33.7	33.8	33.9	34.0	34.1	33.9	33.7	34.5	33.6	33.6	33.5	35.2
Std Dev	02.4	6.00	7.00	6.00	01.4	6.00	6.00	01.0	02.5	7.00	00.5	. 6.00	8.00
Max	43.8	36.3	35.0	36.8	37.9	35.5	35.2	35.2	43.6	34.5	34.2	34.6	35.9
2	24.6	7 00											

Figure 17: SD & Range Charts for MCH, pg Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn MCH' ba

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Units: %

Table 8h Reticulocyte Count

Subject Scrn 01 02 03 04 05 1.2 06 07 1.0 08 0.6 09 0.1 10 11 2.7							באר האם	DAT	5	3	5	:
	•	-	4	7	14	21	788	35	42	54	72	180
	2.0	0.7	2.5	1.8	1.5	1.5	1.5	2.0	1.5	1.9	1.0	1.1
	1.5	0.1	1.8	1.9	1.4	2.0	9.0	1.9	0.5			
	1.0	1.5	0.7	3.5	1.2	2.0	0.1	2.0	1.4	1.6	1.2	1.3
	1.2	2.5	2.8	1.9	2.0	3.0	4.4	1.0				
	2.3	2.0	2.5	2.4	1.5	1.5	2.8					
	0.4	1.0	0.5		3.6	1.6	1.5	1.0	1.0	0.8	6.0	2.0
	0.5	0.2	1.1	1.0	2.4	3.8	1.3		1.4	0.8		
	1.0	1.6	0.4	1.5								
	1.3	1.2	1.2	1.0	2.0	2.5	1.0	2.4	0.5	0.3		
	2.0	0.1	0.3	1.0	1.7	2.0	1.1	0.1	9.0	1.2		
12	4.3	2.1	0.9	3.0	4.5	6.7	5.4		1.0			
	2.5	2.8	2.0	1.3	1.1	0.0	2.0	4.6	1.2			
13		3.3		1.4	1.8	1.5	1.8	2.0	1.1	1.3		
14		3.9	2.3	2.4	1.7	2.4	2.2	0.3				
15		2.7	2.0	3.6	1.7	1.6	2.6	1.5	2.6	2.8		
16		2.1	1.0	0.8	0.8	1.3	2.7	6.0	0.5			
17	1.0	1.0										
18	1.2	1.3	9.0	9.0	0.8	6.0	1.5	1.5	2.4	0.9		
	6.0	0.3	0.7	1.0	0.4	1.8	1.0	0.3				
20	0.9			1.8	2.5	3.5	3.0	1.0	2.0	1.4	3.2	
21 0.3	1.0	2.0	1.4	3.0	3.5	1.0	1.2	3.4	0.5	3.4	. 0.5	
The state of the s					-							
Summary: Reticulor	Reticulocyte Count,	%;										
Average 0.9	1.5	1.6	1.4	1.8	1.9	2.1	2.0	1.6	1.2	1.5	1.4	1.5
Std Dev 0.9	6.0	1.1	0.8	6.0	1.0	1.4	1.3	1.2	0.7	6.0	1.1	0.5
Max 2.7	4.3	3.9	2.8	3.6	4.5	6.7	5.4	4.6	2.6	3.4	3.2	2.0
Min 0.1	0.4	0.1	0.3	9.0	4.0	0.0	0.1	0.1	0.5	0.3	0.5	1.1

180 72 Figure 18: SD & Range Charts for Reticulocyte Count, % 54 42 35 28 Day of Protocol 21 4 Mean ±1 SD; Line = Min to Max 0 Scrn 2 S 0 9 Reticulocyte Count, %

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Table 8i WBC Differential: Eosinophils

		780	VAC	NAV	DAY DAY								
Subject	Scrn		-	4	7	4	21		35	42	54	72	180
04	00	0.0	5.1	5.1	4.6	5.4	6.2	5.8	5.6	3.3	3.9	5.6	0.0
00	0.0	0.0	3.0	4.8	4.9	5.1	5.5	6.2	0.3	1.9			
03	1.2	1.3	1.2	2.1	1.3	2.2	2.3	2.5	1.7	1.4	3.5	0.0	0.0
04		1.1	1.3	1.0	1.7	0.0	6.0	0.8	0.0		•		
05	4.7	6.0	5.7	4.0	0.0	0.0	3.8	3.4					
90	0.0	0.7	1.9	0.0	1.9	2.3	1.9	2.7	2.1	2.2	1.5	2.0	0.0
07	0.0	2.8	3.6	5.6	3.8	6.0	0.0	3.9		3.5	0.0		
08	4.0	5.4	5.9	6.0	0.0								
60	1.2	1.0	2.5	2.3	1.3	2.0	1.7	1.5	0.8	1.7	1.0		
10	2.0	2.5	2.3	1.2	2.0	1.8	1.8	2.9	1.7	2.1	1.8		
11	2.4	0.9	0.0	4.0	0.0	3,3	3.1	3.8		4.7			
12	0.9	0.8	1.6	2.4	2.0	2.2	1.6	1.8	0.0	1.7	1.7		
13	2.5	1.4	4.2	3.7	3.1	3.8	3.5	3.5	4.3	5.1	4.7	4.7	
41	0.0	1.4	2.0	2.0	1.2	1.7	2.0	4.1	2.0				ļ
15	6.7	5.2	8.0	7.9	12.0	9.6	11.6	16.1	15.9	14.3	12.0		0.0
16	0.0	2.2	3.2	3.3	3.2	3.7	0.0	4,9	3.5	3.0			
17													
18	2.8	3.6	1.0	1.0	3.7	3.4	0.0	3.2	3.1	3.1	2.4		
19	2.7	2.8	0.0	3.0	2.6	2.0	3.3	3.4	3.3	2.7	3.0		
20	2.2	0.0	3.0	0.0	2.7	10.0	4.0	2.3	2.0	2.5	1.7	2.0	
21	2.1	2.6	2.3	2.7	3.1	2.6	2.8	3.0	0.0	3.4			
Summary	WBC Differential:	erential: E	Eos, %										
Average	1.9	2.1	2.9	3.1	2.8	3.5	2.9	4.0	2.9	3.5	3.1	2.9	0.0
Std Dev	1.8	1.8	2.1	2.1	2.6	2.7	2.7	3.2	3.8	3.1	3.1	2.3	0.0
Max	6.7	6.0	8.0	7.9	12.0	10.0	11.6	16.1	15.9	14.3	12.0	5.6	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	4.1	0.0	0.0	0.0

180 72 Figure 19: SD & Range Charts for WBC Differential: Eos, % 54 35 28 Day of Protocol Min to Max Scrn 12 16 10 9 14 ∞ 2 0 WBC Differential: Eos, %

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Blank = Not Obtained

WBC Differential: Segmented

09.5 68.0 50.0 60.7 64.0 68.0 DAY 180 50.0 57.9 44.7 56.5 76.0 70.6 59.7 11.7 44.7 76.0 DAY 72 52.2 43.0 42.8 56.1 66.0 59.4 54.3 08.8 66.0 40.2 . 45.6 40.2 58.2 63.0 65.2 52.8 55.7 DAY 54 57.7 58.9 35.3 50.9 10.9 68.5 31.2 37.0 53.2 31.2 50.1 60.9 53.6 68.5 53.9 65.1 37.5 47.6 49.7 54.7 DAY 42 69.2 65.5 49.9 0.09 69.2 54.2 56.0 44.9 53.8 45.2 55.4 06.7 56.5 52.2 61.0 57.4 46.7 53.1 DAY 35 59.1 49.6 48.5 59.3 54.9 07.8 43.9 43.9 50.3 51.3 66.8 58.8 58.8 55.0 43.9 62.9 50.9 44.6 60.0 51.3 60.3 DAY 28 72.1 55.7 50.0 36.3 45.9 54.2 08.4 66.2 36.3 51.0 51.0 58.0 65.7 63.5 43.9 55.9 66.2 52.1 56.3 44.0 DAY 47.7 65.1 59.7 7 **32.0** 58.9 53.0 65.8 32.0 65.8 08.4 46.4 38.5 60.8 53.0 58.0 52.2 55.8 46.0 59.0 59.0 53.2 59.1 57.6 48.5 DAY 14 45.7 67.0 42.0 51.6 59.9 61.5 47.0 56.3 47.2 48.3 53.7 06.1 54.3 67.0 49.0 52.0 51.6 54.4 55.9 50.3 63.8 52.5 51.0 42.0 DAY 7 58.1 53.0 51.5 62.0 9.70 64.4 36.0 49.0 41.8 50.7 46.4 36.0 64.4 49.2 48.2 56.0 43.0 60.3 41.0 58.0 42.4 54.1 57.7 DAY 4 46.0 50.0 09.9 78.0 30.0 57.2 54.0 51.4 56.6 47.0 30.0 61.9 49.5 78.0 56.5 60.1 42.1 DAY 1 46.0 51.0 54.1 48.7 35.1 57.7 45.7 WBC Diff: Segmented, % 56.5 10.8 77.6 40.0 72.0 48.8 55.3 43.0 38.1 53.0 53.9 56.5 65.0 51.4 64.8 46.5 67.2 48.3 77.6 66.1 52.0 53.2 64.9 DAY 38.1 0 69.0 56.3 06.7 41.4 69.0 41.4 60.0 58.9 61.4 53.3 52.6 54.4 51.6 63.3 60.2 66.0 50.0 54.2 52.0 48.0 Scrn 58.0 61.1 50.1 Summary: Subject Average 19 16 18 2 2 9 13 4 15 17 Std Dev 90 80 7 02 03 05 Max Σij

Figure 20: SD & Range Charts for WBC Diff: Segmented, % Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn WBC Diff: Segmented, %

Dec. 17, 1998

Table 8k WBC Differential: Monocytes

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
											,		
10	7.0	6.0	8.0	9.7	9.7	7.4	8.7	7.8	8.6	6.2	9.1	9.7	8.0
02	17.0	11.0	2.0	12.8	10.9	13.2	14.8	8.9	19.0	20.5			
03	6.5	7.8	7.0	6.5	6.2	5.7	6.5	6.2	6.5	7.8	6.0	3.0	8.0
04	:	3.6	6.1	7.5	7.5	0.9	7.4	8.0	6.0				
05	8.9	8.3	8.9	9.0	12.0	7.0	10.0	8.1					
90	7.0	6.7	9.8	8.0	7.4	7.0	7.1	7.5	7.7	8.2	7.1	7.9	7.0
07	9.0	9.5	9.6	10.9	10.2	10.2	10.0	10.7		10.5	7.0		
08	17.0	14.6	13.5	13.0	15.0								
60	10.5	9.5	9.6	8.9	8.0	11.0	8.1	9.4	10.1	8.0	8.6		
10	5.0	8.3	7.8	10.5	1.0	8.1	8.2	8.9	8.9	8.5	12.8		-
11	7.5	8.4	0.9	9.3	6.0	8.6	9.9	6.8	•	8.1			
12	7.6	6.3	8.3	7.1	8.4	7.1	8.2	8.2	8.0	8.3	7.6		
13	9.2	9.4	10.0	8.1	11.8	10.5	6.6	9.6	11.1	10.3	12.6	8.1	
14	10.0	10.8	12.1	11.0	12.6	12.2	12.5	10.2	12.1				
15	7.0	8.4	0.9	8.4	10.0	8.8	7.5	8.4	6.7	7.6	8.0		8.0
16	0.9	5.7	7.4	7.4	6.9	8.4	0.9	7,8	7.4	7.3			
17	10.2	5.0	8.3										
18	9.6	10.6	8.0	0.9	12.0	11.8	11.0	8.8	10.5	9.8	10.0		
19	7.7	7.4	6.0	9.6	7.6	7.2	9.7	7.3	7.9	7.6	7.3		
20	8.7	0.9	7.0	9.0	7.7	18.0	8.0	10.4	10.6	11.4	8.8	10.4	
21	9.1	6.8	4.8	9.8	9.7	8.7	7.6	8.6	9.0	9.6	8.4	9.0	
A CANADA CARACTER AND A CANADA													
Summary:	WBC Diff	WBC Diff: Monocytes,	% 'se										
Average	8.9	8.1	7.9	9.0	8.8	9.3	8.7	8.5	9.4	9.4	8.7	8.0	7.8
Std Dev	3.1	2.5	2.5	1.9	3.1	3.0	2.2	1.2	3.1	3.3	2.0	2.6	0.5
Max	17.0	14.6	13.5	13.0	15.0	18.0	14.8	10.7	19.0	20.5	12.8	10.4	8.0
Min	5.0	3.6	2.0	0.9	1.0	5.7	9.0	6.2	0.9	6.2	6.0	3.0	7.0

180 72 SD & Range Charts for WBC Diff: Monocytes, % 54 42 35 28 Day of Protocol 14 Box = Mean ±1 SD; Line = Min to Max Figure 21: Ö Scrn 15 2 WBC Diff: Monocytes, %

Dec. 17, 1998

Table 8L WBC Differential: Lymphocytes

	-	200	> 40	>40	740	ΛΦΛ	DAY						
		LAY.	Ę.	5	C 1	;	: 3	00	35	42	24	72	180
Subject	Scrn	0	-	4	7	14	17	97	CC	7	5		
				000	306	20.4	28.3	26.2	28.2	25.4	34.1	31.6	24.0
01	27.0	26.0	33.3	33.0	39.0	25.7	25.0	34.0	23.8	39.6			
05	33.0	37.0	48.0	31.9	53.5	33.6	55.0	2.5	7 00	42.0	22.0	16.0	42.0
03	37.7	37.7	40.7	48.2	28.3	43.3	43.3	46.7	39.4	42.3	32.3	5.	2
04		30.2	34.1	30.9	38.8	35.0	26.2	18.5	33.0				
200	38.4	34.1	39.4	45.0	37.0	34.0	34.9	31.0	į				
5 2	35.0	27.6	35.1	34.0	32.5	29.4	24.5	33.7	30.6	28.1	33.0	19.1	29.0
02	39.0	40.9	38.1	36.2	31.1	30.2	32.0	24.4		32.3	28.0		
08	31.0	41.7	45.0	34.0	43.0								
60	27.2	22.2	26.0	24.2	23.5	27.0	24.3	21.2	19.5	21.7	24.9		
10	38.5	40.9	39.6	30.2	48.0	32.0	26.2	28.7	32.1	38.7	39.2		
2 7	26.3	12.9	16.0	44.0	42.0	35.5	30.3	2.2		31.5			
12	30.9	39.6	33.2	39.8	37.0	34.9	37.7	34.9	36.0	35.9	34.5		
17	33.6	35.2	43.6	39.1	30.6	39.6	42.6	42.6	37.8	40.9	42.5	29.2	
44	210	31.0	29.2	29.0	24.2	26.5	28.9	21.9	19.8				
15	43.7	46.0	37.0	41.7	31.0	42.6	44.0	31.0	32.0	39.9	37.0		21.0
16	34.0	26.7	32.0	35.2	31.5	30.0	31.0	35.7	34.4	35.7			
17	21.2	22.0	29.5										
18	26.0	36.6	44.0	40.0	36.9	48.1	38.0	36.1	40.8	55.4	44.5		
10	35.9	33.1	44.0	36.1	40.2	24.5	42.9	39.1	37.5	29.9	32.3		
20	36.4	45.0	60.0	42.0	37.9	40.0	38.0	36.1	34.0	50.5	23.6	42.1	
21	27.8	24.0	29.1	26.2	28.8	28.7	32.7	28.6	31.0	35.8	27.6	29.5	
	and the same of th												
Summary:	WBC Diff	WBC Diff: Lymphocytes, %	cytes, %									0.40	000
Average	32.2	32.9	37.1	36.0	34.8	34.0	33.7	30.1	31.9	36.5	33.4	E.12	73.0
Std Dev	6.2	8.6	9.2	6.4	6.4	6.4	9.9	9.6	6.4	8.7	6.4	9.6	5.5
Max	43.7	46.0	0.09	48.2	48.0	48.1	44.0	46.7	40.8	55.4	44.5	42.1	42.0
Min	21.0	12.9	16.0	24.2	23.5	24.5	24.3	2.2	19.5	21.7	23.0	10.0	71.0
										•			

180 SD & Range Charts for WBC Diff: Lymphocytes, % 54 35 Day of Protocol 21 Box = Mean ±1 SD; Line = Min to Max Figure 22: Scrn 9 40 30 20 0 WBC Diff: Lymphocytes, %

Dec. 17, 1998

Units: mEq/L

Table 9a Sodium

Sodiu

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
			107	7.70	107	7.40	740	077	143	140	141	130	141
10	138	130	13/	130	137	128	136	148	148	129	•	2	
	130	140	144	136	136	134	3	140	140	141	140	142	139
3 3	144	140	138	134	130	130		141	138				
100	141	-	136	130	143	142	142	142					
	142	440	137	244	138	130	141	140	140	138	140	137	135
00	136	747	133	132	138	139	140	143	138	141	141		
08	147	138	137	135	137								
60	148	141	142	138	139	139	140	142	140	143	142		
10	137	134	137	132	135	137	135	137	138	138	135		
	145	135	135	138	137	140	139	138		138			
12	137	139		140	141	141	136	140	138	140	141		
	140	148	139	141	142	139	138	134	140	139	141		
14	141	138	136	137	137	137	136	140	140				
15	140	139	139	141	141	138	139	140	139	142	139		136
16	141	141	138	141	139	138	138	140	140	143	139		
		140	139										
18	134	135	137	134	137	137	136	141	141	133	138		
19	141	142	137	138	136	138	129	141	137		138		-
20	138	139	140	137	138	139	138	142	140	135	138	141	
	144		137	135	137	139	137	135	142	139	144	143	
1													
Summary:	Sodium, mEq/L	mEq/L											
Average	140	139	138	137	138	139	138	140	140	139	140	140	138
	40	03	05	03	02	02	93	03	02	04	02	02	03
Max	148	148	142	141	142	142	142	148	148	143	144	143	141
	124	121	122	150	400	707	00,	; ;	107	00,	400	200	404

Figure 23: SD & Range Charts for Sodium, mEq/L Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn J\p∃m ,muiboS

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Table 9b	Potassium

	H2	цо	ran	m	ne l	П.4.1	י:ע	54	,							_												
DAY	180		4.0		4.2			3.9								4.1					4.2	4.1	4.5		4.1	0.2	4.5	3.9
DAY	72		3.7		4.4			4.4									4.7				3.5	4.7			4.2	0.5	4.7	3.5
DAY	54		3.6		4.1		4.3	4.3	4.4		4.3	4.0		3.9	3.8		4.1			4.5	4.0	4.0	4.6		4.1	0.3	4.6	3.6
DAY	42		. 3.8	4.5	4.7			4.0	4.1		4.2	4.3	3.9	4.1	4.4		3.8	4.4		4.2		3.5	4.2		4.1	0.3	4.7	3.5
DAY	35		3.7	3.6	4.1	4.4		44.0	4.9		4.0	4.0	3.7	4.3	3.7	4.3	4.6	4.6		4.5	4.2	3.7	4.4		4.2	0.4	4.9	3.6
DAY	28		3.3	3.9	4.2	4.6	4.0	4.2	4.4		4.3	3.9	3.7	4.1	3.6	4.1	4.3	4.4		4.2	4.2	3.2	4.3		4.0	0.4	4.6	3.2
DAY	21		3.7	4.1	4.2		3.7	4.2	4.7		4.0	4.0	3.9	4.3	4.1	4.6	4.1	4.3		4.2	4.0	4.2	4.2		4.1	0.3	4.7	3.7
DAY	4		3.8	4.0	4.2	3.9	3.8	3.9	4.2		4.0	4.2	4.0	4.3	3.9	4.3	4.0	4.9		4.2	4.4	4.3	4.3		4.1	0.3	4.9	3.8
DAY	7		3.6	3.9	4.1	4.2	3.8	3.8	4.3	4.1	4.1	4.0	4.1	4.4	3.9	4.8	4.1	4.2		4.1	4.1	3.6	4.1		4.1	0.3	4.8	3.6
DAY	4		3.7	4.2	4.5	3.9	3.6	4.0	3.8	3.9	3.8	4.0	4.0	4.1	3.8	4.2	3.9	4.5			4.2	4			4.1	0.3	4.5	3.6
DAY	_		3.9	44	4.3	4.5	4.1	3.9	3.8	3.6	3.9	3.9	3.7		4.0	4.0	3.6	4,3	3.6	4.6	3.8	3.8			4.0	0.3	4.6	3.6
DAY	6		3.5	4.1	4.3	3.5		4.9		4.0	4.0	3.7	3.9	4.6	4.1	3.6	3.5	4.3	3.8	4.4	4.2	3.7	3.8	n, mEq/L	4.0	0.4	4.6	3.5
Sern	= }		3.9	4.1	3.8	3.7	3.7	4.5	4.6	4.5	4.1	3.5	3.8	4.0	4.4	4.2	3.9	5.1		4.6	4.0	3.6	2 4	Potassium, mEq/L	4.1	0.4	5.1	3.5
Subject	100 (Care		10	60	. 03	04	0.5	90	20	80	60	10	-	12	13	14	15	16	17	18	19	2.5	27	Summary:	Average	Std Dev	Max	Min

180 Figure 24: SD & Range Charts for Potassium, mEq/L 54 42 35 28 Day of Protocol 21 14 Box = Mean ±1 SD; Line = Min to Max 0 Scrn ~ 0 က 2 9 Potassium, mEq/L

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Subject Scrn 01 98 02 100 03 107		DAY	DAY	DAY	DAY	- {	- -				•	í	
	-	_				•	3	000	35	42	54	7.5	180
	-	0	_	4	7	14	17	07	3				
	-										10,	400	106
	1	90	104	101	103	105	66	102	105	101	105	921	2
	28	CA	20,	5	103	100	98	101	103				
	100	66	105	501	201	100		104	110	106	106	112	109
	107	106	103	105	10/	102		70,	104				
	103	103	104	101	105	105		\$ 5	5				
	106		104	108	109	108	108	106	1	00,	403	104	98
00	100	108	107	106	104	106	105	102	105	201	30		3
-	102	3	106	109	104	108	102	108	105	202	901		
1	100	105	104	108	104						30,		
	2	2 2	407	108	105	109	105	104	105	104	901		
1	113	90	904	107	105	109	104	105	106	108	103		
-	102	102	100	2 2	104	110	104	104		108			
11	109	100	100	3	2 2	103	106	105	105	107	105		
12	103	104		104	20	3 5	102	66	105	100	106		
13	102	103	103	109	401	5 5	102	107	107				
14	104	104	103	108	103	COL	3	5	103	110	108		96
	103	102	103	107	103	105	106	501	2 5	2 2	108		
	103	106	107	108	107	104	106	108	601	2			
-	70	101	106				,				3		
17	-	101	200	7	104	104	101	102	103	106	100		
	102	102	COL	3	5 8	707	105	102	106	ı	111		
19	104	104	104	102	SS !	5 8	204	103	103	104	107	104	
	106	104	103	100	102	202	501	3 5	105	105	105	109	
-	105		102	102	104	9	10/	3	2	3			
									-				
Summary: Ch	Chloride, mEq/L	mEq/L				10,	707	104	105	105	106	107	102
Average	104	103	104	105	104	COL	2 3	5 8	2	03	03	03	90
Oto Dov	2	03	05	63	05	03	03	3	75	3 5	111	112	109
מות הפג	143	108	107	109	109	110	108	109	2	2 3	- 0	104	96
Мах	2 0	2	101	100	66	100	86	66	103	100	3		
Min	28	CS.	2								•		

SD & Range Charts for Chloride, mEq/L Day of Protocol Box = Mean ±1 SD; Line = Min to Max Figure 25: Scrn Chloride, mEq/L

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Table	(

Subject 01 02 03		- ><_	_ >∀∪	_ ∀ ∇∩	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
01 02 03						14	27	28	35	42	54	72	180
02 03	Scrn	0	-	4	,	<u>t</u>		2	3	!			
03	34.2	26.4	28.8	29.8	29.5	26.9	29.0	31.2	25.4	26.3	29.9	28.0	30.9
03	27.1	27.7	26.0	28.5	29.4	30.0	28.2	29.3	26.7				
	28.0	29.4	29.6	25.3	25.5	24.6		28.7	25.7	19.9	22.4	25.4	28.0
40	24.6	36.2	27.1	27.2	27.1	28.5		25.3	29.0				
05	29.6		25.9	28.3	28.4	29.2	27.1	30.6					
90	33.2	27.1	27.9	31.4	26.7	28.0	28.2	27.9	31.2	23.1	31.2	27.3	30.1
20	31.0		27.8	23.7	26.9	28.0	25.1	29.7	26.0	29.3	25.6		
08	25.4	25.5	26.2	29.7	25.3								
60	25.2	29.5	28.3	27.2	26.0	27.8	26.7	29.6	30.4	30.9	27.5		
10	22.4	20.8	24.1	23.0	21.2	24.3	24.2	24.9	23.2	24.1	22.4		
11	24.2	26.1	27.6	26.9	29.6	28.3	26.1	25.8		26.4			
12	29.2	26.0		24.0	29.0	28.4	24.9	28.5	28.6	25.2	28.8		
13	27.4	28.9	27.7	28.3	27.8	30.7	28.1	26.1	25.0	25.5	29.0		
14	29.1	22.3	24.5	24.3	26.1	24.0	22.3	23.5	21.4				
15	31.1	27.7	29.2	29.6	27.9	25.0	25.5	29.8	27.6	25.5	31.5		
16	33.7	22.0	24.8	26.8	24.2	30.0	26.9	26.4	24.6	23.6	28.9		
17		26.9	26.5					,					
1	27.7	27.1	25.4	28.2	28.0	24.2	24.1	26.8	29.9	27.0	29.3		
19	29.1	25.9	26.3	27.5	28.5	27.3	28.3	28.5	29.3				
20	28.7	25.5	24.3	26.8	24.9	27.2	56.9	20.1	28.8	23.5	25,7	25.4	
21	29.5		24.8	29.8	26.3	27.9	30.3	26.1	27.6	22.2	30.5	29.4	
		-											
Summary:	CO2, mEq/L	d/L										7.0	100
Average	28.5	26.7	26.6	27.3	26.9	27.4	26.6	27.3	27.1	25.2	27.9	27.1	73.7
Std Dev	03.2	03.4	01.7	02.3	02.1	02.1	02.1	02.7	02.7	02.8	03.0	01.7	C. C.
ax	34.2	36.2	29.6	31.4	29.6	30.7	30.3	31.2	31.2	30.9	31.5	29.4	30.9
Min	22.4	20.8	24.1	23.0	21.2	24.0	22.3	20.1	21.4	19.9	22.4	25.4	28.0

Figure 26: SD & Range Charts for CO2, mEq/L Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn CO2, mEq/L

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Figure 27: SD & Range Charts for Glucose, mg/dL Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn Glucose, mg/dL

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		-											
		DAY	DAY	DAY	DAY	DAY	¥		<u> </u>	ç	24	72	180
400	Corp		~	4	7	4	21	28	35	74	15		
Subject	SCIII	>	-										1
			100	60	70	Op	94	77	88	06	87	88	113
2	91	100	82	60	57	98	24	95	70				
02	81	86	77	90	6)	3	100	2,5	46	51	64	59	65
03	46	47	59	45	49	2	7.	3 2	2 9				
04	65	62	54		26	22		8	3				
90	63		55	55	29	22	8	2		5	80	100	103
50	25	75	72	29	20	7.1	77	93	95	3	000	3	
00 00	68		202	83	74	72	69	84	73		8		
80	65	09	56	53	23					3	7.3		
8	67	65	64	69	89	65	73	99	88	0	5 8		
3 5	84	78	72	69	74	82	7.7	84	87	98	6		
2 7	104	109	110	101	84	110	102		20 20	30	84		
72	67	55		53	99	29		3	co	3 3	7		
7-	89	65	57	55	09	64	65	63	28	20	5		
5	74	77	75	9/	9/	92	58	23		3	7.3		68
4	-	67	53	56	55	52	55		65	53	70		3
15	71		8	85	82	88	100	83	8	2	8		1
16	80	60	3	3									
17		<u>۾</u>			6.4	50	57	63	99	63	78		
18	61	61	09	94	40	75	6	75	9/		81		
19	78	79	20	2	7)	2 3	20	92	99	62	69	9/	
20	73	78	71	72	ÃO	70	3 8	2 9	2,00	53	09	57	
21	61		22	28	09	200	SC	3	3				
Summary:	Alkaline	Alkaline Phosphate, IU/L	e, IU/L			100	7.4	7.2	7.1	68	74	9/	87
Average	73	73	89	89	/9	2 5	- 4	1 5	13	14	12	19	24
Std Dev	13	16	4	14	2	0 0	5	5 8	96	93	96	100	113
Max	104	109	110	101	\$.	2 2	201	3 4	46	51	54	57	65
Min	46	47	53	45	49	2	5	3					

180 72 SD & Range Charts for Alkaline Phosphate, IU/L 54 42 35 28 Day of Protocol 21 14 Box = Mean ±1 SD; Line = Min to Max Figure 28: 0 Scrn 100 80 9 40 Alkaline Phosphate, IU/L

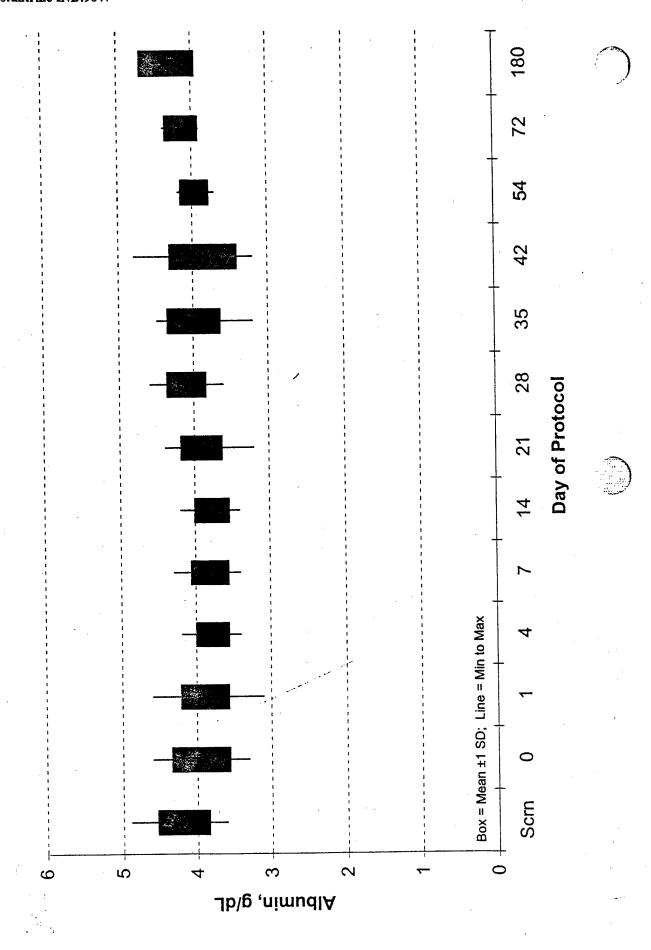
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Tab	Alb

		DAY											
Subject	Scrn	0	-	4	7	4	21	28	35	42	54	72	180
01	4.50	4.60	4.10	4.00	3.70	4.10	4.40	3.90	4.40	4.20	4.20	4.30	4.00
02	4.10	3.60	3.70	3.80	4.20	4.20	4.00	4.00	3.70				
03	4.00	3.70	4.10	3.40	3.40	3.60	4.00	4.30	3.80	4.10	3.70	3.90	4.00
04	4.50	4.10	4.30	4.00	3.90	3.70		4.20	4.30				
05	4.10	3.60	3.70	3.60	3.60	3.70	3.90	4.60					
90	4.30	4.50	4.30	3.90	4.10	3.70	4.20	4.30	4.50	4.20	4.10	3.90	4.60
07	4.30	3.90	3.90	3.90	4.30		4.10	4.20	4.10	4.10	4.10		
90	4.40	4.10	3.80	3.80	3.90								
60	3.80	3.40	3.60	3.60	3.60	3.40	3.80	3.70	3.20	3.60	3.70		
10	3.80	3.70	3.60	3.60	3.50	3.50	3.20	3.70	3.70	3.30	3.80		
11	3.80	3.70	3.90	3.50	3.80	3.70	3.60	3.90	3.50				
12	4.80	4.60	4.60	3.80	3.90	3.90	4.00	4.20	4.20	4.00	3.90		
13	4.20	4.40	3.90	3.60	3.80	3.60	4:00	4.00	4.30	4.80	4.20		
14	3.60	3.30	3.10	3.50	3.70		3.60	3.60	3.60				
15	4.90	4.10	3.80	4.00	4.00	3.80	4.00	4.30	4.30	3.20	3.70		4.70
16	3.80	3.70	3.50	3.60	3.40			/	3.70				
17			4.20										
18	3.80	3.70	3.60	3,70	3.50	3.50	3.60		3.90	3.40	4.20		
19	4.30	4.30	4.00	4.10	3.90	4.00	3.90	4.20	4.30		4.00		
20	4.50	4.10	4.00	4.20	3.90	3.90	3.90	4.40	4.20	3.70	4.10	4.40	
21	4.30		4.00	4.00	4.10	4.10	4.20	4.20	4.20	3.80	3.90	4.20	
Summary:	Albumin, g/dL	g/dL					•						
Average	4.19	3.95	3.89	3.78	3.81	3.78	3.91	4.10	3.99	3.87	3.97	4.14	4.33
Std Dev	0.36	0.40	0.33	0.23	0.26	0.24	0.28	0.27	0.37	0.46	0.20	0.23	0.38
Max	4.90	4.60	4.60	4.20	4.30	4.20	4.40	4.60	4.50	4.80	4.20	4.40	4.70
Min	3.60	3.30	3.10	3.40	3.40	3.40	3.20	3.60	3.20	3.20	3.70	3.90	4.00

Figure 29: SD & Range Charts for Albumin, g/dL



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Subject	Scrn	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
•			~	4	7	14	21	28	35	42	54	72	180
								١					
04	0.4	9.0	0.8	0.5	9.0	0.5	0.7	9.0	9.0	0.7	0.5	0.4	0.70
00	0.6	0.7	0.5	0.5	9.0	0.5	0.5	0.7	0.4				
60	0.5	9.0	6.0	0.5	9.0	0.4		0.7	0.4	0.7	0.3	0.5	0.50
040	0.5	9.0	9.0	0.4	0.4	9.4		0.3	0.4	0.5			
05	9.0		0.5	9.0	0.5	9.0	9.0	9.0					
90	1.0	0.8		0.4	0.7	0.7	8.0	8.0	0.8	1.3	0.8	9.0	1.1
07	0.0		0.7	0.3	0.4	0.2	0.4	0.5	0.4	0.5	0.4		
90	0.5	9.0	9.0	0.5	0.5								
60	0.6	9.0	9.0	6.0	0.7	9.0	9.0	0.3	0.5	0.5	9.0		
10	0.2	0.3	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.2	0.3		
7-	0.7	0.3	9.0	0.4	9.0	9.0	6.0	0.5		0.5			
12	1.3	1-		1.0	0.7	6.0	9.0	6.0	0.8	6.0	0.8		
13	1.5	1.9	2.6	1.5	1.3	1.1	0.8	1.7	1.4	2.4			
14	0.8	0.7	1.0	0.8	0.7	9.0	9.0	1.0	1.0				
27	1.0	0.5	0.8	0.8	0.7	6.0	9.0	8.0	0.7	0.5	9.0		
16	0.3	0.5	0.8	9.0	0.7	6.0	9.0	0.8	0.7	0.5	9.0		
17		0.8	1.0										
18	0.4	0.5	9.0	0.4	0.2	0.2	0.3	0.3	0.5	0.4	0.5		
19	1.0	0.7	1.0	6.0	0.7	9.0	9.0	8.0	0.8		0.7		
20	1.5	1.6	1.6	4.1	1.3	1.2	1.1	1.7	1.2	6.0	1.3	1.7	
77	0.4		0.8	0.8	0.8	0.5	0.7	0.4	0.5	9.0	9.0	9.0	
Summary:	: Bilirubin, mg/dl	mg/dl.											
Average	0.7	0.7	0.0	0.7	0.7	9.0	9.0	0.7	0.7	0.7	0.7	0.8	0.77
Std Dev	0.4	0.4	0.5	0.3	0.3	0.3	0.2	0.4	0.3	0.5	0.3	0.5	0.31
Max	1.5	1.9	2.6	1.5	1.3	1.2	1.1	1.7	1.4	2.4	1.3	1.7	1.10
Min	0.2	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.50

180 72 54 Figure 30: SD & Range Charts for Bilirubin, mg/dL 42 35 28 Day of Protocol 21 4 Box = Mean ±1 SD; Line = Min to Max 0 Scrn 2.5 0.5 Ö 7.5 က 0 Bilirubin, mg/dL

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		> 4 0	> 40	DAY	NAV	DAY	DAY						
Subject	Sera	<u> </u>	<u> </u>	4		4	2	28	35	42	54	72	180
nas(ano	5	,											
01	16	14	17	10	17	14	18	13	16	15	15	12	12
02	19	10	10	12	11	12	18	6	8				
03	14	17	16	12	11	12		12	12.	15	14	12	15
04	14.8	11.2	16	14	15	11		13	12				
05	6		14	12	12	13	12	8					
90	17	14	16	18	16	14	15	13	12	17	15	12	14
07	20		9	15	16	20	21	16	10	16	13		
08	13	14	18	18	20								
60	14	12	11	14	13	15	14	13	15	18	12		
10	15	11	11	6	10	18	12	7	12	13	8	·	
1	13	12	10	13	10	13	8	10		6			
12	10	15		12	12	14	14	11	12	10	11		
13	13	14	17	14	13	13	13	11	13	6	19		
14	12	14	12	12	11	13	15	15	15				
15	12	13	111	13	13	12	11	11	11	9	11		16
16	10	14	13	17	14	13	15	15	12	10	15		
17		10.5	6	-	,								
18	8	14	6	11	8	10	14	12	10	=	7		
19	16	18	15	17	17	14	18	7	13		12		
20	12	11	10	10	10	12	11	8.3	8	9	6	14.1	
21	25		18	23	21	17	70	22	23	22	24	22	
Summary:	BUN, mg/dL	d.						-		-			
Average	14	13	13	14	14	14	15	12	13	13	13	14	14
Std Dev	8	02	03			05	63	03	03	40	40	8	05
Max	25	18	18	23	21	20	21	22	23	22	24	22	16
Min	80	10	60	60	90	10	90	07	90	60	07	12	12

Figure 31: SD & Range Charts for BUN, mg/dL Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn вли, та/аг

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Table 10e Calcium

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21		35	45	54	22	180
2	9.40	9.30	8.90	.8.50	8.70	8.80	9.10	8.80	9.10	8.30	8.60	8.90	9.20
02	9.20	9.20	9.20	8.80	9.10	9.50	9.30	9.40	8.40				
03	9.30	9.30	9.60	8.30	8.90	6.80		9.10	8.40	9.00	8.70	9.20	9.20
04	9.10	8.70	9.10	8.70	8.70	8.60		9.20	8.80	9.00			
05	8.80		8.30	8.40	8.30	8.20	8.50	9.10					
90	9.10	9.40	8.60	8.30	8.50	7.80	9.20	9.30	9.10	8.80	8.70	8 80	9 10
07	9.00		8.60	8.30	8.90	8.70	9.10	9.10	8.70	8.80	8.50		5
90	9.00	8.90	8.50	7.80	8.40								
60	8.60	8.70	8.20	7.90	8.60	8.70	9.00	8.70	7.60	8.50	8.80		
10	8.50	8.90	8.60	7.70	8.60	8.50	8.70	8.60	8.30	8.50	9.00		
11	8.50	8.30	8.20	8.10	8.80	8.20	8.60	8.20		8.00			
12	9.50	9.50		8.80	9.10	9.00	9.30	9.40	9.50	9.10	9.20		
13	9.00	8.90	9.10	8.10	8.30	8.70	9.60	8.70	9.00	9.40	9.00		
14	8.70	8.20	8.30	8.90	8.90	8.70	9.00	9.00	8.60				
15	9.10	8.60	8.60	8.20	8.90	8.70	8.80	8.90	9.00	7.70	8.10		
16	8.60	8.00	8.40	8.30	8.40	8.60	8.90	8,40	8.50	8.30	8.10		
17		9.60	8.70										
18	9.30	8.70	9.10	9.30	9.10	8.70	9.20	8.80	9.00	8.70	9.20		
19	9.10	8.80	8.70	9.20	8.80	9.30	8.90	9.30	9.00		8.80		
20	8.50	8.00	8.30	8.70	8.30	8.50	8.30	9.00	6.80	8.30	8.30	8.80	
21	8.90		8.40	8.80	8.80	8.70	8.80	8.80	9.20	8.10	8.80	9.00	

Summary:	Calcium,	mg/dL											
Average	96.8	8.83	8.67	8.46	8.71	8.56	8.96	8.94	8.65	8.57	8 70	00 6	9 17
Std Dev	0.31	0.49	0.38	0.44	0.27	0.57	0.33	0.33	0.65	0.46	0.36	0.17	0.08
Max	9.50	9.60	9.60	9.30	9.10	9.50	9.60	9.40	9.50	9.40	9.20	9.20	9.20
Min	8.50	8.00	8.20	7.70	8.30	6.80	8.30	8.20	6.80	7.70	8.10	8.80	9.10

180 72 54 SD & Range Charts for Calcium, mg/dL 42 35 28 Day of Protocol 21 Box = Mean ±1 SD; Line = Min to Max Figure 32: 0 Scrn 7.5 6.5 9 9.5 8.5 6 ∞ Calcium, mg/dL

Page 100

11 4 7 14 21 28 35 210 198 192 201 210 192 207 167 165 169 177 170 150 118 225 171 168 175 207 203 167 164 179 173 173 171 160 187 175 172 207 203 167 160 187 175 172 101 105 90 167 160 187 186 172 201 184 440 381 160 182 184 440 381 160 182 182 182 182 182 182 182 182 182 182 183 183 184 183 184 183 184 184 184 184 183 182 184 184 184 183 184 183 184			DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
01 2.00 2.29 2.10 198 192 201 210 158 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 185 177 170 150 171 186 185 185 173 173 173 173 171 160 175 175 137 137 177 160 177 170 160 177 170 </th <th>Subject</th> <th>Scrn</th> <th>0</th> <th>~</th> <th>4</th> <th>7</th> <th>14</th> <th>21</th> <th>28</th> <th>35</th> <th>42</th> <th>54</th> <th>72</th> <th>180</th>	Subject	Scrn	0	~	4	7	14	21	28	35	42	54	72	180
01 200 229 210 198 192 201 170 189 185 185 202 202 203 203 203 203 203 203 204 205 205 205 205 205 205 205 205 205 205									`					
02 186 167 165 169 177 170 150 118 175 173 173 173 173 173 173 173 171 160 177 175 177 179 177 178 177 178 177 178 177 178 177 178 177 178 177 178 177 178 177 178 177 178	10	200	229	210	198	192	201	210	192	207	188	185	225	184
03 207 187 225 171 166 175 207 167 167 173 173 173 171 160 173 173 173 173 173 171 160 173 173 171 160 173 173 173 171 160 173 174 183 173 174 183 174 183 174 183 174 183 174 183 177 183 177 183 177 183 177 183 184 187 225 225 225 225 225 224 224 225 225 225 224 224 225 225 225 224 224 224 225	02		186	167	165	169	177	170	150	118				
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05 101 92 97 101 105 90 101 105 90 101 105 90 101 105 107 163 107 163 107 163 177 163 177 163 171 163 164 440 381 349 171 172 171 163 163 171 172 171 163 163 171 172 171 163 163 171 172 171 163 163 171 172 171 163 163 171 172 171 163 163 171 172 171 163 163 171 172 171 163 171 163 171 163 171 163 171 163 172 173 164 172 174 162 204 204 204 204 204 204 204 204 204 204 204 204 204	904	191	154	164	179	173	173		171	160				
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07 364 308 297 288 326 424 484 440 381 349 171 08 192 191 186 195 194	90	191	182	175	172	188	172	201	196	182	177	163	155	176
08 192 191 186 195 194 9 4 <t< td=""><td>70</td><td>364</td><td>308</td><td>297</td><td>288</td><td>326</td><td>424</td><td>484</td><td>440</td><td>381</td><td>349</td><td>171</td><td></td><td></td></t<>	70	364	308	297	288	326	424	484	440	381	349	171		
09 202 188 189 200 204 187 214 189 154 182 209 10 179 164 166 153 158 171 172 171 163 163 171 11 217 188 186 170 191 158 207 178 192 163 171 12 242 224 222 225 225 234 206 201 13 177 167 162 159 179 160 160 204 179 160 160 201 179 166 170 160 179 160 179 160 170 160 170 160 170 160 170 160 170 160 170 160 170 160 170 160 170 160 160 170 180 160 160 170 160 170 180 <t< td=""><td>80</td><td>192</td><td>191</td><td>186</td><td>195</td><td>194</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	80	192	191	186	195	194								
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11 217 186 176 191 158 207 178 192 204 224 224 225 225 225 234 206 201 13 177 183 177 167 162 159 179 160 165 182 201 201 160 165 166 201 166 167 166 201 166 167 166 167 166 167 166 167 166 167 166 167 166 167 166 167 166 167 168 167 169 167 164 167 164 167 164 167 164 167 164 167 164 167 164 167 164 167 164 167 164 167 164 167 164 167 164 167 164 164 164 164 164 164 164 164 164	10	179	164	166	153	158	171	172	171	163	163	171		
12 242 224 225 235 235 234 206 201 13 177 183 177 167 162 159 179 160 165 201 206 214 220 180 182 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 167 166 167 166 167 166 167 166 167 166 167 167 167 164 167 167 167 167 164 167 167 167 167 164 167 167 167 167 164 167 167 167 167 167 168 168 168 168 168 168 168 168 168 168 168 168 168 168 168 168 168 168	11	217	188	186	170	191	158	207	178	192				
13 177 183 177 167 162 159 179 160 165 185 186 212 220 214 218 220 206 214 218 220 201 192 225 15 206 173 184 197 202 213 193 200 201 192 225 17 173 172 175 156 161 166 172 180 157 164 17 206 173 184 197 202 213 193 200 201 197 164 195 195 164 195 195 164 195	12	242	231		224	222	225	232	225	234	206	201		
14 214 193 185 212 220 204 218 220 201 192 225 15 206 173 184 197 202 213 193 200 201 192 225 17 173 184 197 202 213 166 172 180 157 164 19 210 18 19 207 201 199 195 222 217 199 195 225 217 164 165 202 213 199 199 196 207 201 199 195 222 217 199 195 225 217 199 195 105 105 206 201 105 105 206 201 105 206 201 105 105 206 201 105 206 105 105 206 105 105 105 105 105 105 <t< td=""><td>13</td><td>177</td><td>183</td><td>177</td><td>167</td><td>162</td><td>159</td><td>179</td><td>160</td><td>165</td><td>182</td><td>166</td><td></td><td></td></t<>	13	177	183	177	167	162	159	179	160	165	182	166		
15 206 173 184 197 202 213 193 200 201 192 225 16 173 175 156 161 166 172 180 157 164 17 206 173 184 197 202 213 193 200 201 192 225 19 206 173 184 197 207 201 199 195 225 217 199 195 205 225 217 109 105 206 20 118 114 132 121 141 138 127 109 105 105 21 184 197 199 198 189 217 199 209 183 185 mary: Cholesterol, mg/dL 185 188 191 206 194 194 191 180 3ey 36 30 40 44	14	214	193	185	212	220	206	214	218	220				
16 173 172 175 156 161 166 172 180 157 164 17 206 173 184 197 202 213 193 200 201 193 195 222 217 206 19 217 199 196 182 121 141 138 127 109 105 20 118 114 132 121 141 138 127 109 105 21 184 197 199 198 189 217 199 183 185 mary: Cholesterol, mg/dL 183 186 191 206 194 194 191 180 3ev 52 39 40 44 64 76 67 57 52 33 101 117 127 105 106 105 105 105	15	206	173	184	197	202	213	193	200	201	192	225		
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18 206 173 184 197 202 213 193 200 201 199 207 201 199 195 222 217 206 20 118 116 219 207 201 199 195 217 206 217 206 209 105 105 206 105	17					,			,					
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21 184 197 199 198 189 217 199 209 183 185 mary: Cholesterol, mg/dL 185 188 191 206 194 194 191 180 Jev 52 39 40 40 44 64 76 67 57 52 33 364 308 297 288 326 424 484 440 381 349 225 101 117 92 97 101 105 90 118 109 105	20	118	117	118	114	132	121	141	138	127	109	105	125	
mary: Cholesterol, mg/dL 185 188 191 206 194 194 191 180 Dev 52 39 40 40 44 64 76 67 57 52 33 101 117 92 97 101 101 105 90 118 109 105	21	184		197	199	198	189	217	199	209	183	185	186	
mary: Cholesterol, mg/dL 183 185 188 191 206 194 194 191 180 Jev 52 39 40 40 44 64 76 67 57 52 33 364 308 297 288 326 424 484 440 381 349 225 101 117 92 97 101 105 90 118 109 105														
age 199 190 183 185 184 206 194 194 191 180 Dev 52 39 40 40 44 64 76 67 57 52 33 364 308 297 288 326 424 484 440 381 349 225 101 117 92 97 101 105 90 118 109 105	Summary:	Choleste	rol, mg/dl											
Dev 52 39 40 40 44 64 76 67 57 52 33 364 308 297 288 326 424 484 440 381 349 225 101 117 92 97 101 105 90 118 109 105	Verage	199	190	183	185	188	191	206	194	194	191	180	167	162
364 308 297 288 326 424 484 440 381 349 225 101 117 92 97 101 105 90 118 109 105	std Dev	52	39	40	40	44	64	9/	29	22	52	33	39	31
101 117 92 97 101 101 105 90 118 109 105 105 m	Лах	364	308	297	288	326	424	484	440	381	349	225	225	184
	Ain	101	117	92	97	97	101	105	90	118	109	105	125	126

SD & Range Charts for Cholesterol, mg/dL Day of Protocol Box = Mean ±1 SD; Line = Min to Max Figure 33: Scrn Cholesterol, mg/dL

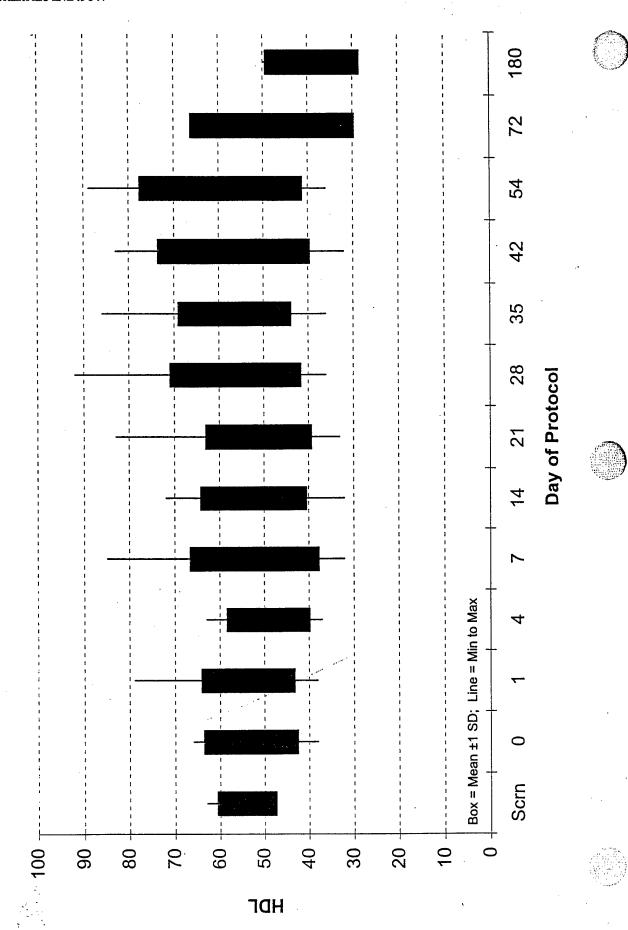
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DAY	180		38		50			29																	39	11	50	29
DAY	72				61			35																	48	18	61	35
DAY	54		39		53			36	50		52	57		54			89	99		88	88	46	. 59		59	18	89	36
DAY	42		47		47			32	48		45	43		99			82	71		83	82	45	55		57	17	83	32
DAY	35		54	36	71	44			43		41	49		64	50	98	61	99		61	61	55	62		. 22	13	98	36
DAY	28		20	42	72	41	49	36			48	69	22	99	48	92	74	99			74	46	20		56	15	92	36
DAY	77		42	40	52		47	33	55		41	23	49	38	51	83	62	61		62	62	49	41		51	12	83	33
DAY	14						43	32		54		51	48	52	41	72	99	57		99	99	38	47		52	12	72	32
DAY	7		32	36		09	44	85	54		40	46	37	52	51	73	64	09		64	64	36	41		52	15	85	32
DAY	4		41	38	54	55	44	37	46		42	45		55	44	58	63	58		63	63	38	40		49	60	63	37
DAY	-		47	40	79		39	38	47	46	48	56	59		54	63	61	61		61	61	47	29		54	7	79	38
DAY	0		57	40	99			38		44	42	47	57	65		09	64	58	39	64	64	44			53	11	99	38
Scrn						20			48				55										63	HDL			63	48
Subject			01	02	03	04	05	90	07	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min

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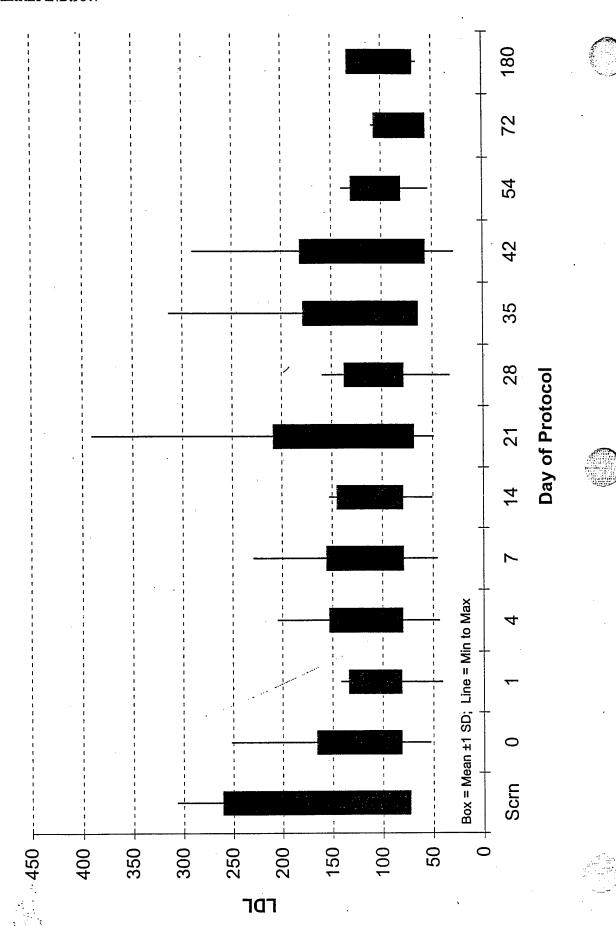
Figure 34: SD & Range Charts for HDL



Dec. 17, 1998

_	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
0		_	4	_	14	21	28	35	42	54	72	180
	ł						\					
150		142	126	121		147	130	132	128	119		111
124	1	114	105	114		111	80	99				
111	1	135	106			148	116	88	116	73	75	65
			95	102			122	107				
		41	44	46		49	33					
123		117	122	83	126	147	146		29	118	110	128
252			205	229		391		314	290	98		
131		122		129								
130		123	140	143		157	127	94	122	138		
102	-	86	97	101	66	104	66	98	94	102		
118	_	118		117	22	127	109					
154	_		139	150	153	181	160	155	136	122		
		106	103	98	101	103	93	102				
122	_	114	145	134	125	122	113	125				
83		102	120	118	134	123	91	102	87	117		
95		103	102	83	92	85	92	101	78	92		
150												
83		102	120	118	134	123	91	102	87	117		
125	· · · · ·	127	153	141	139	112	132	151	145	140		
53		49	48	29	51	105	79	20		54	09	
	1	119	133	143	140	162	133	134	118	97		
	1		, me									
			,									
124	1	108	117	118	113	139	108	121	119	106	82	101
42		26	37	39	33	20	29	57	62	25	26	33
252	1	142	205	229	153	391	160	314	290	140	110	128
53		41	44	46	51	49	33	99	29	54	09	65

Figure 35: SD & Range Charts for LDL



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DAY	180		177		99			66																	111	61	177	56
DAY	72		77		53			50											,			48	90		28	12	7.7	48
DAY	54		136		25			46	179		66	09			183		97	63		97	104	34	149		100	49	183	34
DAY	42		89		64			83	55		9/	134		127	61		118	42		118	136	30	54		83	36	136	30
DAY	35		108	82	41	46		22	124		48	84		74	69	46	190	99		190	81	36	99		83	47	190	36
DAY	28		64	143	75	42	42	20	35		73	69		22	92	29	176	25		176	89	41	84		82	42	176	35
DAY	21		107	92	38		46	100	190		81	78		49	128	46	44	104		44	139	47	47		81	43	190	38
DAY	14		167	113	79	165	44	70	199		84	108		65	98	45	65	62		65	122	48	55		91	46	199	44
DAY	7		197	96	56	99	38	101	218	57	105	57	187	103	69	65	102	69		102	152	47	73		98	52	218	38
DAY	4		155	113	55	146	47	29	187	59	91	59	123	101	104	48	73	78		73	140	47	132		95	41	187	47
DAY	-		107	69	22	20	09	100	41	06	94	64	96		87	41	108	58		108	114	78	95		80	24	114	41
DAY	0		110	109	20	125		106	47	83	80	78	118	. 09	88	56	134	95		134	152	46		Triglycerides, mg/dl	93	33	152	46
	Scrn		91		65	114	99	59	45	62	55	94	145	95	193	126	102	73		102	147	32	62	Triglyceri	91	41	193	32
	Subject		10	02	03	04	05	90	. 20	80	60	10	11	12	13	14	15	16	17	18	19	20	. 21	Summary:	Average	Std Dev	Мах	Min





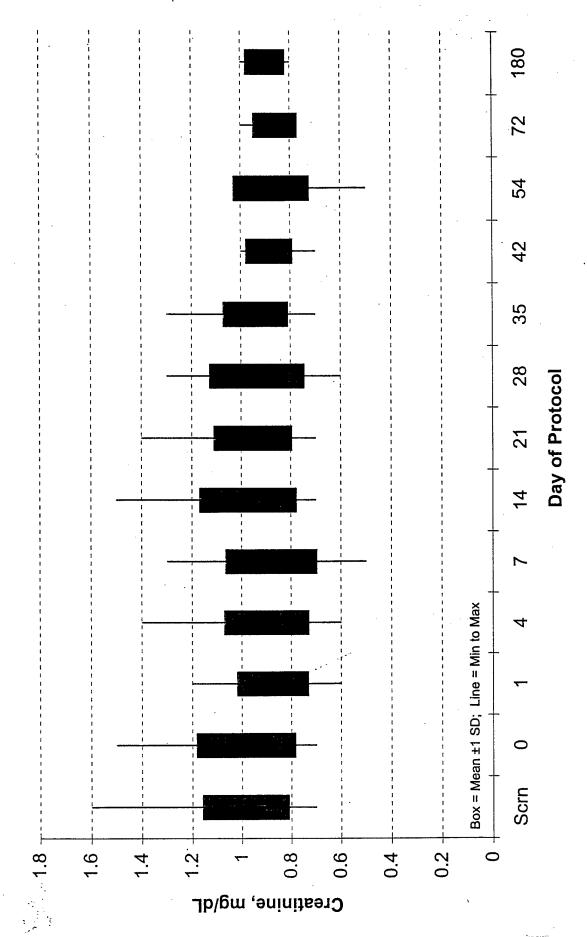
180 SD & Range Charts for Triglycerides, mg/dL 54 42 35 28 Day of Protocol 21 7 Box = Mean ±1 SD; Line = Min to Max Figure 36: 0 Scrn 100 20 150 200 Triglycerides, mg/dL

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		VAG	NAV	DAY									
Subject	Scrn	0	-	4	7	4	27		35	42	54	72	180
01	1.00	0.90	0.70	0.80	0.90	1.10	06.0	08.0	06.0	06.0	0.80	0.80	1.00
02	1.60	1.40	1.20	1.40	1.30	1.50	1.40	1.30	1.30				-
03	0.80	0.80	1.00	0.80	0.70	08.0		08.0	0.70	0.80	0.80	0.80	0.80
04	1.10	1.00	08.0	0.70	0.70	0.70		0.80	0.80				
05	1.00		1.00	06.0	1.10	1.30	1.10	1.20					
90	06.0	06.0	0.80	08.0	08.0	0.70	06'0	0.80	0.90	0.80	0.80	0.80	0.90
70	0.80		09.0	09.0	0.50	08.0	08'0	09'0	0.80	1.00	0.70	,	
90	1.00	0.90	0.80	0.90	0.70	·							
60	1.00	06.0	08.0	06.0	06.0	06.0	06.0	1.00	0.30	0.90	0.90		
10	0.90	06.0	0.70	06.0	0.70	1.00	08.0	0.80	0.00	0.90	1.00		
11	0.70	0.70	08.0	0.70	08.0	08.0	0.70	09.0		0.70			
12	1.00	1.20		1.10	1.00	1.00	1.10	1.10	1.00	1.00	1.00		
13	0.90	1.00	06.0	0.80	06.0	1.00	1.00	06.0	06.0	1.00	1.00		
14	1.00	1.00	0.80	06.0	1.10	1.10	1.00	1.00	0.90				
15	1.00	0.90	1.00	1.00	1.10	1.00	06.0	1.10	1.00	0.90	1.00		0.90
16	1.00	1.00	06.0	06.0	06.0	1.10	0.90	1.00	0.90	0.90	1.00		
17		1.50	1.10										
18	1.00	1.00	1.00	1.10	0.90	06.0	1.00	1.00	1.10	1.00			
19	06.0	08.0	06.0	0.90	08.0	1.00	1.00	0.90	1.00		0.50		
20	1.00	06.0	06.0	06.0	0.80	06'0	08'0	06.0	1.00	0.80	0.90	0.90	
21	1.10		08.0	1.00	1.00	06.0	1.00	1.20	1.00	0.80	1.00	1.00	
Summary:	Creatinine, mg/dl	e, mg/dL											
Average	0.99	0.98	0.88	06.0	0.88	0.97	0.95	0.94	0.94	0.89	0.88	0.86	0.90
Std Dev	0.18	0.20	0.14	0.17	0.19	0.20	0.16	0.19	0.13	0.09	0.15	60.0	0.08
Max	1.60	1.50	1.20	1.40	1.30	1.50	1.40	1.30	1.30	1.00	1.00	1.00	1.00
Min	0.70	0.70	09.0	09.0	0.50	0.70	0.70	0.60	0.70	0.70	0.50	0.80	0.80

Figure 37: SD & Range Charts for Creatinine, mg/dL

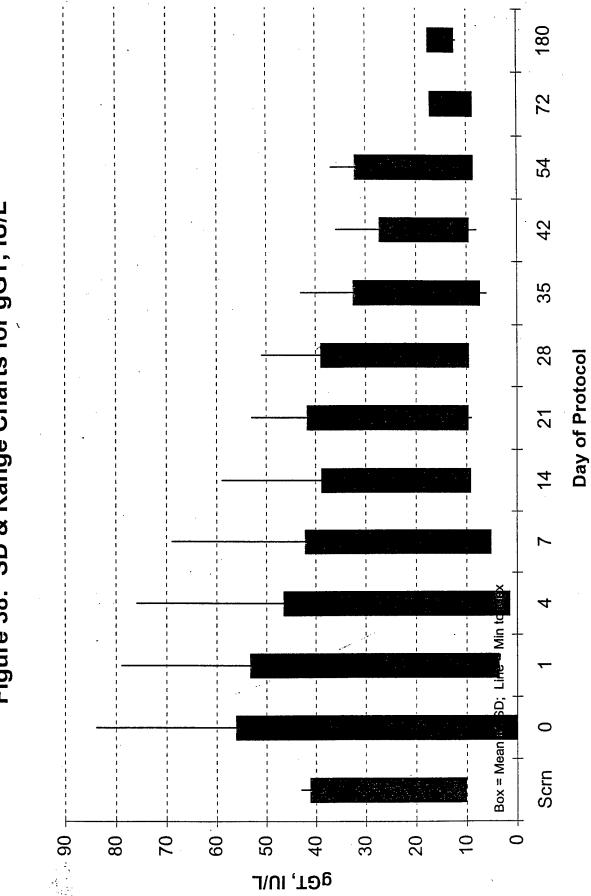


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Subject	Scro	DAY	DAY 1	DAY 4	DAY 7	DAY 14	DAY 21	DAY 28	DAY 35	-	DAY 42	3AY DAY 42 54
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01	:	:		:								
02										-	- 1	
03												
94											_	
05												
90									14	တ		17
07						21	21	19	9			14
80												
60						10	13	12	10			10
10						24	20	24		21		
11					59	27	44	37		22		35
12				28	26	28	28	28	25	23		37
13	13	13	6	10	17	12	13	12	9			11
14	43	84	79	92	69	29	53	47	43	-		
15	21	19	17	17	15	7	15		20	16		18
16		31	30	29	26	35	48	51	42	36		35
17			09					,				
18			26			43	45		30	26		37
19		7	11	11	12	9	6	11	13	10		12
20		2	8	9	6	10	10	12	6	8		ဝ
21		-	16	15	16	22	15	14	17	13		16
Summary:	gGT, IU/L											
Average	26	27	28	24	24	24	56	24	20	18		20
Std Dev	16	30	25	23	19	15	16	15	13	60		12
Max	43	84	6/	9/	69	29	53	51	43	36		37
			2	2	5	5	5	**	2	0	L	00

Figure 38: SD & Range Charts for gGT, IU/L



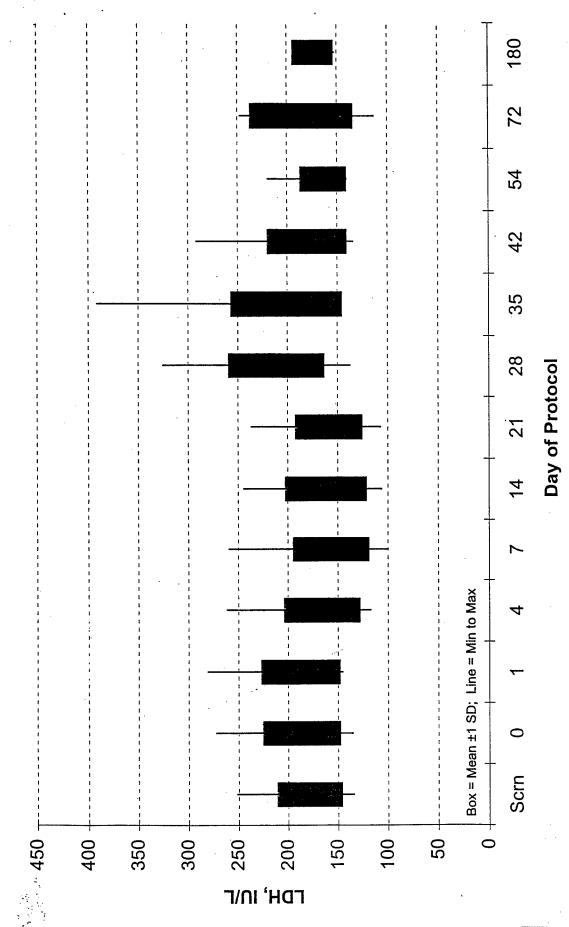
Dec. 17, 1998

Units: IU/L

101 | DH

YY DAY		152		20 191			191 77				•	•				192					81	74		174		192
Y DAY		0 113		1 220			1 177	0		6	6		7	8		5	6		8	4	8 248	6 171		4 186	3 52	0 248
Y DAY		0 140		2 161	8		0 151	6 220		0 149	0 149		1 157	6 148		7 145	5 149		4 178	164	5 188	5 196		0 164	23	2 220
Y DAY		160	2	5 292	4 218		7 170	2 226		1 160	160	147	5 181	9 176		5 147	7 165		0 134		2 195	1 175		180	40	292
Y DAY		3 161	3 195	165	3 194	2	5 147	392		1 211	1 211		185	7 169	2 257	175	197		3 170	2 170	5 222	9 201		1 201	56	392
YAG Y		163	3 196	194	268	155	3 195	7 262		3 261	3 261	204	184	137	5 202	3	3 194		7 233	4 162	1 326	5 209		9 211	48	326
-	21	161	5 198			130	3 133	1 237		3 196	3 196	170	3 164	120	155		146		3 107	3 154	171	136		159	34	5 237
-	14	153	175	231	146	120	126	181		156	156	132	3 208	106	129	3 245	127		123	3 148	1 207	1 209		162	41	245
-	7	130	140	170	157	126		3 260	ļ		3 177	152	3 218	170	126	166	119		101	118	184	134	,	3 157	38	260
	4		155			126		186		185			213			127	130		147	144	262	168		166	38	
YAC		152	208	222	200	189	155	252	196	192	154	168		186	258		152	164		161	281	154		187	40	281
7		158	180	176	176		163		158	135	169	178	259	168	189	166	157	231			273		7/	186	39	273
-	t Scrn	158	165	185	183	153	134	243	179	138	171	191	208	156	160	188	153		230	161	252	163	7: LDH, IU/L	179	33	252
	Subject	0	02	03	04	05	90	07	08	60	10	7	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max

Figure 39: SD & Range Charts for LDH, IU/L

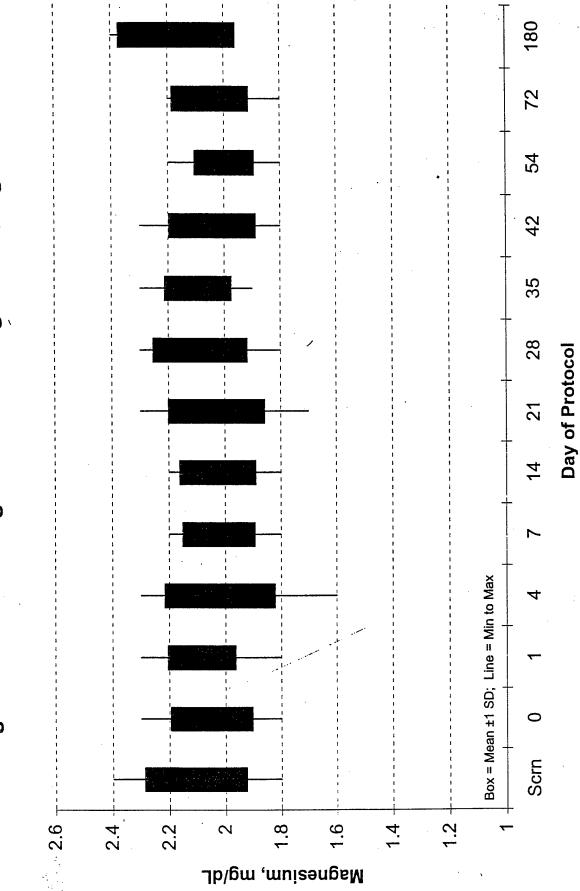


Units: mg/dL

Table 10m Magnesium

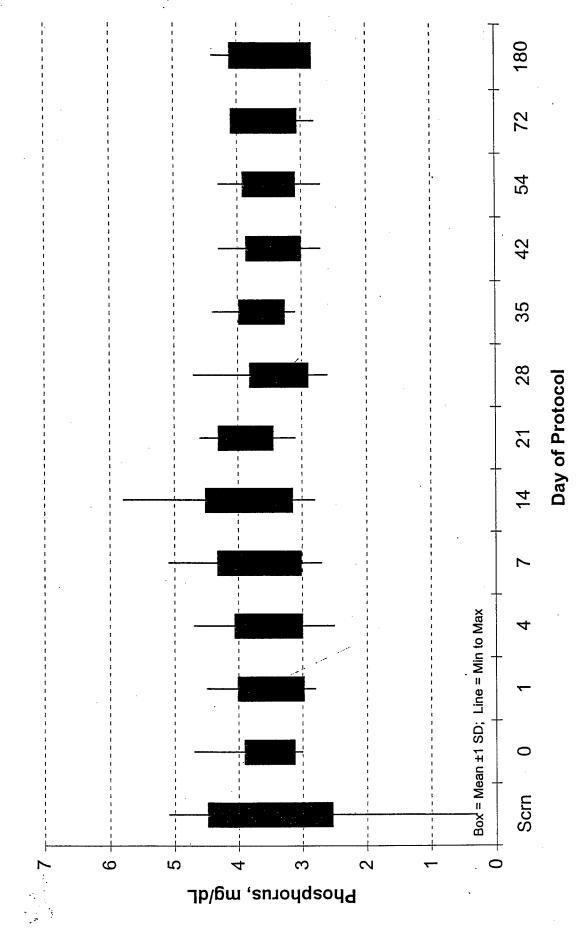
2.0 1 4 7 14 21 28 35 42 2.0 2.1 2.2 1.9 2.1 2.0 2.0 2.2 1.9 1.6 1.8 2.0 1.8 2.0 2.0 2.0 2.2 1.9 2.0 1.7 1.9 1.9 1.9 2.0 2.0 2.0 2.2 2.1 2.1 1.9 1.9 1.9 1.9 2.0 </th <th></th> <th></th> <th>DAY</th>			DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
2.1 2.2 1.9 2.1 2.0 2.0 2.2 1.6 1.8 2.0 1.8 2.0 1.9 2.1 2.0 1.7 1.9 1.9 2.0 2.0 2.0 2.1 1.9 1.9 1.9 2.0 2.0 2.0 2.0 2.0 2.1 2.2 2.3 2.2 2.2 2.3 2.1 2.2 2.3 2.3 2.2 2.3 2.1 2.1 2.2 2.3 2.3 2.2 2.3 2.1 2.1 2.1 2.1 2.1 2.1 2.0 2.0 2.0 2.1 2.1 2.1 2.1 2.0 2.1 2.1 2.1 2.1 2.1 2.2 2.2 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	Scrn		0.	-	4	7	14	21	28	35	42	54	72	180
2.0 1.8 2.0 1.8 2.1 2.0 1.7 1.9 1.9 2.2 1.9 2.1 2.1 1.9 1.9 1.9 2.0 2.0 2.0 2.0 2.0 2.0 2.1 1.9 1.9 1.9 2.0	2.0		2.0	2.1	2.2		1.9	2.1	2.0	2.0	2.2	2.1	2.1	2.1
2.0 1.7 1.9 1.9 2.2 1.9 2.1 2.1 1.9 1.9 1.9 1.9 2.0 2.0 2.2 2.0 2.0 2.1 1.9 1.9 1.9 2.0 2.0 2.2 2.0 2.0 2.1 2.2 2.3 2.3 2.2 2.0	2.3		1.9		1.6		1.8	2.0	1.8	2.1				
2.1 1.9 1.9 1.9 1.9 2.0 <td>2.0</td> <td></td> <td>1.9</td> <td>2.0</td> <td>1.7</td> <td></td> <td>1.9</td> <td></td> <td>2.2</td> <td>1.9</td> <td>2.1</td> <td>2.0</td> <td>2.0</td> <td>2.4</td>	2.0		1.9	2.0	1.7		1.9		2.2	1.9	2.1	2.0	2.0	2.4
1.9 1.9 1.9 1.9 1.9 1.9 1.9 2.0 2.0 1.9 2.1 2.0 2.0 1.9 2.1 2.1 2.2 2.2 2.3 2.3 2.2 2.3 2.2 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.0 <td>2.3</td> <td>_</td> <td></td> <td>2.1</td> <td>1.9</td> <td>1.9</td> <td>1.9</td> <td></td> <td></td> <td>2.0</td> <td>2.2</td> <td></td> <td></td> <td></td>	2.3	_		2.1	1.9	1.9	1.9			2.0	2.2			
2.0 2.0 2.1 1.9 2.0 1.9 2.1 2.3 2.3 2.3 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.2 2.3 2.0	1.9			1.9		1.9	1.9	1.9						
2.3 2.1 2.2 2.3 2.2 2.2 2.2 2.2 2.3 2.2 2.1 2.1 2.1 2.2 2.3 2.1 2.1 2.1 2.2 2.3 2.0 2.3 2.2 2.2 2.1 2.0 2.0 2.0 2.3 2.2 2.2 2.1 2.0 2.0 2.0 2.1 2.1 2.1 2.1 2.1 2.0 2.0 2.0 2.0 2.1 2.1 2.1 2.1 2.2 2.2 2.1 2.2 2.2 2.1 2.0 2.0 2.1 2.1 2.1 2.1 2.2 2.2 2.3 2.3 2.3 2.3 2.1 2.2 2.2 2.2 2.2 2.2 1.9 1.8 1.9 1.9 1.9 1.9 1.9 1	1.9		1.9	2.0	2.0	2.1	1.9	2.0	2.0	1.9	2.1	2.1	2.1	2.0
2.2 2.2 2.3 2.1 2.1 2.2 2.2 2.3 1.8 1.8 2.2 1.7 1.8 2.0 2.0 2.0 2.3 2.2 2.1 2.0 2.1 2.0 2.0 2.1 2.1 2.1 2.0 2.1 2.0 2.1 2.1 2.1 2.1 2.0 2.1 2.0 2.1 2.1 2.1 2.2 2.1 2.0 2.1 2.2 2.1 2.1 2.1 2.1 2.2 2.3 2.3 2.3 2.3 2.1 2.1 1.9 2.1 1.8 2.1 2.1 1.8 2.1 1.8 2.2 2.2 2.2 2.2 2.2 1.9 2.0 2.0 2.0 2.1 2.1 1.8 2.2 2.2 2.2 2.2 2.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 2.1 2.1 2.1 2.1 2	2.2	1	2.1	2.3		2.1	2.2	2.3	2.3	2.2		2.0		
2.1 2.1 2.1 2.2 2.2 2.3 1.8 1.8 1.8 2.2 1.7 1.8 2.0 2.0 2.0 2.3 2.2 2.1 2.0 2.0 2.0 2.0 2.3 2.2 2.1 2.0 2.1 2.0 2.1 2.1 2.1 2.1 2.2 2.1 2.2 2.2 2.3 2.2 2.2 2.3 2.3 2.3 2.1 2.1 2.1 2.1 2.1 1.8 2.2 2.2 2.2 2.2 2.2 1.9 2.0 2.0 1.9 2.0 2.0 2.0 1.9 2.2 2.2 2.2 2.2 2.2 1.9 2.0 2.0 1.9 1.9 2.1 2.1 1.9 2.2 2.1 2.2 2.2 2.2 1.9 2.2 2.1 2.2 2.2 2.1 1.9 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.	2.1		2.0	2.2		2.2								•
1.8 1.8 1.8 2.2 1.7 1.8 2.0 2.0 2.0 2.3 2.2 2.2 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.1 2.1 2.0 2.1 2.0 2.1 2.1 2.1 2.1 2.1 2.0 2.1 2.0 2.2 2.3 2.2 2.2 2.2 2.1 2.2 2.2 2.1 2.1 2.1 2.1 2.1 2.1 1.8 2.1 2.0 1.9 2.0 2.0 2.2 2.1 1.9 2.2 2.2 2.1 2.1 2.1 1.9 1.9 2.1 1.9 2.0 2.0 2.0 2.0 2.0 2.0 2.1 2.0 2.1 2.2 2.1 2.2 2.2 2.2 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 <td>2.1</td> <td></td> <td>2.0</td> <td>2.1</td> <td></td> <td>2.1</td> <td>2.1</td> <td>2.2</td> <td></td> <td>2.2</td> <td>2.3</td> <td>1.9</td> <td></td> <td></td>	2.1		2.0	2.1		2.1	2.1	2.2		2.2	2.3	1.9		
2.0 2.3 2.2 2.2 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.2 2.1 2.2 2.1 2.2 2.3 2.3 2.3 2.3 2.3 2.2 2.2 2.2 2.2 2.2 1.9 1.8 2.0 <td>1.9</td> <td></td> <td>1.8</td> <td>1.8</td> <td>1.8</td> <td>1.8</td> <td>2.2</td> <td>1.7</td> <td>1.8</td> <td>2.0</td> <td>2.0</td> <td></td> <td>1.8</td> <td></td>	1.9		1.8	1.8	1.8	1.8	2.2	1.7	1.8	2.0	2.0		1.8	
2.0 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.2 2.1 2.2 2.1 2.2 2.1 2.2 2.2 2.1 2.2 2.1 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.2 1.8 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 1.9 2.1 2.2 2.2 2.2 1.9 2.1 2.1 2.1 1.9 2.1 2.1 2.1 1.9 2.1 2.1 2.1 1.9 2.1 2.1 2.1 2.1 2.0 <td>2.4</td> <td></td> <td>2.0</td> <td>2.0</td> <td>2.3</td> <td>2.2</td> <td>2.2</td> <td>2.1</td> <td></td> <td>2.0</td> <td></td> <td></td> <td></td> <td></td>	2.4		2.0	2.0	2.3	2.2	2.2	2.1		2.0				
2.1 2.1 2.1 2.1 2.1 2.2 2.2 2.3 2.2 1.9 1.8 1.9 2.0 2.0 2.0 2.0 2.2 2.2 2.2 1.9 1.9 2.1 2.1 1.9 2.1 1.9 2.1 1.9 2.1 1.9 2.1 1.9 2.1 1.9 2.1 1.9 2.1 1.9 2.1 2.0 <td>2.2</td> <td></td> <td>2.2</td> <td></td> <td>2.0</td> <td>2.1</td> <td>2.1</td> <td>2.1</td> <td>2.0</td> <td>2.1</td> <td>2.0</td> <td>1.9</td> <td></td> <td></td>	2.2		2.2		2.0	2.1	2.1	2.1	2.0	2.1	2.0	1.9		
2.2 2.3 2.2 2.2 2.3 2.3 2.3 2.1 2.1 1.9 2.1 1.8 2.1 1.8 2.1 2.0 1.9 2.0 2.0 2.2 2.2 1.9 2.2 2.0 1.9 2.0 2.0 2.0 2.1 1.9 2.0 2.0 2.1 2.1 2.1 2.1 1.9 2.2 2.1 2.2 2.2 2.3 2.1 1.9 2.2 2.1 1.9 1.7 2.1 1.9 1.8 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.1 2.2 2.2 2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	2.1		2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.0		
2.1 2.1 1.9 2.1 1.8 2.1 1.8 2.1 2.0 1.9 2.0 2.0 2.2 2.2 1.9 2.2 2.2 2.0 2.0 2.0 2.1 2.1 1.9 2.0 2.0 1.9 1.9 2.1 2.1 2.1 1.9 2.2 2.2 2.2 2.2 2.3 2.3 2.1 1.9 2.2 2.1 2.2 2.2 2.2 2.3 2.1 1.8 2.0 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.0 2.1 2.0 2.	2.4		2.2	2.2	2.3	2.2	2.2	2.2	2.3	2.3				
2.1 2.0 1.9 2.0 2.0 2.2 2.2 1.9 2.2 2.0 1.9 1.9 2.1 2.1 2.1 1.9 2.2 2.2 2.2 2.2 2.3 2.1 1.9 2.2 2.2 2.2 2.2 2.3 2.1 1.9 2.2 2.1 2.2 2.2 2.3 2.1 1.8 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.1 2.0 2.0 2.0 2.1 2.1 2.0 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 1.8 1			2.0	2.1	2.1	1.9	2.1	1.8	2.1	2.1	1.8	1.9		
2.2 2.0 1.9 1.9 2.1 2.1 2.1 1.9 2.0 2.0 2.1 2.1 2.1 2.1 1.9 2.2 2.2 2.1 2.3 2.3 2.1 2.0 2.0 2.0 2.0 1.9 2.1 1.8 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.0 0.1 0.2 0.1 0.1 0.2 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8	2.2		2.1	2.1	2.0	1.9	2.0	2.0	2.2	2.2	1.9	2.0		
2.0 2.0 1.9 1.9 2.1 2.1 2.1 1.9 2.2 2.2 2.1 2.2 2.2 2.3 2.3 2.1 1.9 2.2 2.1 1.9 1.7 2.1 2.1 1.8 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.1 2.0 2.0 2.0 1.9 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.0 0.1 0.1 0.1 0.2 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8			2.3	2.2										
2.2 2.2 2.2 2.2 2.3 2.3 2.1 2.2 2.1 1.9 1.7 2.1 1.8 1.8 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.1 2.0 2.0 2.0 2.1 2.1 2.0 0.1 0.2 0.1 0.1 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8			1.9	2.0 \	2.0	1.9	1.9	2.1	2.1	2.1	1.9	2.1		
2.2 2.1 1.9 1.9 1.7 2.1 1.8 2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.0 2.0 2.0 2.0 2.1 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.0 0.1 0.2 0.1 0.1 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8			2.3	2.2	2.2	2.1	2.2	2.2	2.3	2.3	2.1	2.2		
2.0 2.0 2.0 2.0 1.9 2.1 2.0 2.1 2.0 2.0 2.0 2.1 2.1 2.0 0.1 0.2 0.1 0.1 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8	1.8		2.1	2.2	2.1	1.9	1.9	1.7	2.1		1.8	1.8	2.1	
2.1 2.0 2.0 2.0 2.1 2.1 2.0 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.8 1.7 1.8 1.9 1.8	2.0			2.0	2.0	2.0	2.0	2.0	1.9	2.1	2.0	2.0	2.2	
2.1 2.0 2.0 2.0 2.1 2.1 2.1 2.0 0.1 0.2 0.1 0.2 0.1 0.2 2.3 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8														
2.1 2.0 2.0 2.0 2.0 2.1 2.1 2.1 2.0 0.1 0.2 0.1 0.2 0.2 0.1 0.2 2.3 2.3 2.2 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8	lagnes	ΙΞ	Im, mg/dL											
0.1 0.2 0.1 0.1 0.2 0.2 0.1 0.2 2.3 2.3 2.2 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8	2.1	1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.2
2.3 2.3 2.2 2.2 2.3 2.3 2.3 2.3 1.8 1.6 1.8 1.7 1.8 1.9 1.8	0.2		0.1	0.1	0.2	0.1	.0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2
1.8 1.6 1.8 1.7 1.8 1.9 1.8	2.4		2.3	2.3	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.4
	1.8	1	1.8	1.8	1.6	1.8	1.8	1.7	1.8	1.9	1.8	1.8	1.8	2.0

Figure 40: SD & Range Charts for Magnesium, mg/dL



		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	7	4	7	14	21	28	35	42	54	72	180
01	4.0	3.3	2.9	4.2	4.7	3.7	3.6	3.4	4.0	4.3	3.8	4.0	3.3
02	4.7	3.9	4.0	3.9	4.1	5.8	4.6	4.7	4.0				
03	2.6	3.3	2.9	3.0	3.1	3.2	3.5	3.6	3.4	3.4	2.7	2.8	2.9
40	5.1	4.7	3.2	3.5	3.4	4.1		3.0	3.8				
05	3.1		2.8	2.5	3.8	3.4	4.1	2.9					
90	3.9	3.9	3.2	3.5	3.6	3.7	3.9	3.5	3.6	3.3	3.1	3.6	3.3
70	3.0		3.1	3.1	3.3	3.7	4.4	3.5	3.1				
80	3.5	3.4	4.3	4.3	5.1	4.4							
60	4.1	3.5	4.3	3.6	4.3	3.4	3.7	3.1	3.4	3.2	3.8		
10	3.3	3.3	3.5	3.3	3.3	3.0	3.1	3.2	3.3	3.2	3.6		
11	2.9	3.0	3.1	2.9	2.7	2.8	3.5	2.6		2.7			
12	3.0	3.2		3.0	3.7	3.4	3.6	3.9	3.7	3.3	3.5		
13	3.7	3.4	3.9	3.7	3.4	3.9	4.4	3.7	3.3	4.0	4.3		
14	4.5	4.0	3.5	3.6	3.5	4.1		3.4	3.6				
15	3.6	3.4	4.5	4.7	4.7	4.7	3.7	3.4	3.8	3.8	3.1		4.4
16	0.3	3.3	3.1	3.2	3.0	3.0	3.2	2.9	3.2	3.2	3.5		
17		3.4	4.1										
18	3.6	3.7	3.0	3.4	2.8	3.8	4.1	3.0	4.1	3.2	3.8		
19	3.8	3.4	3.5	3.8	3.2	4.0	4.2	3.6	3.7		3.1		
20	3.6	3.2	3.4	3.3	3.5	4.1	4.0	3.0	3.2	3.2	3.6	3.4	
21	3.9		3.6	4.1	4.2	4.4	4.3	3.4	4.4	3.9	3.7	4.1	
Summary:	Phospho	Phosphorus, mg/dL											
Average	3.5	3.5	3.5	3.5	3.7	3.8	3.9	3.4	3.6	3.4	3.5	3.6	3.5
Std Dev	1.0	0.4	0.5	0.5	0.7	0.7	0.4	0.5	0.4	0.4	0.4	0.5	9.0
Max	5.1	4.7	4.5	4.7	5.1	5.8	4.6	4.7	4.4	4.3	4.3	4.1	4.4
Min	0.3	3.0	2.8	2.5	2.7	2.8	3.1	2.6	3.1	2.7	2.7	2.8	2.9

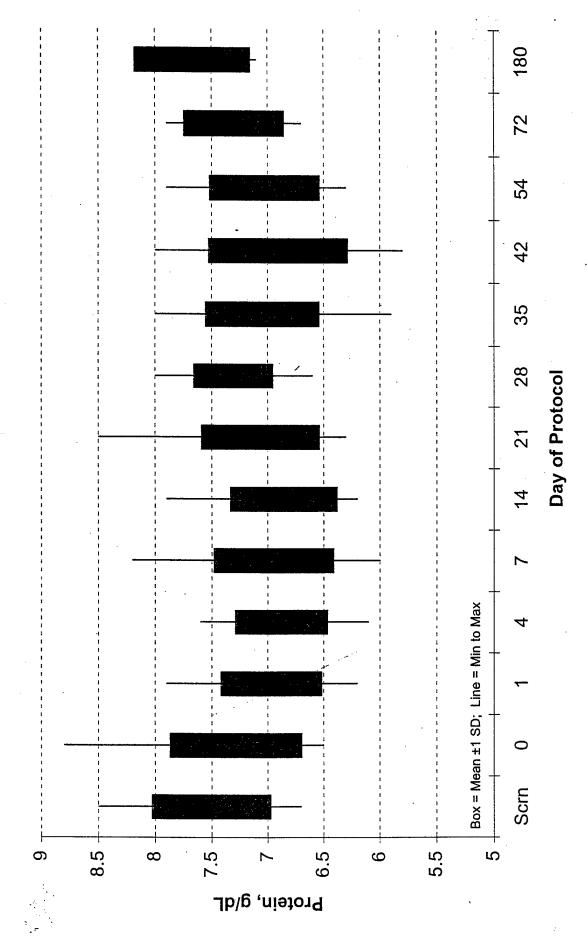
Figure 41: SD & Range Charts for Phosphorus, mg/dL



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DAY 180	8.10		7.10			7.80																	7.67	0.51	8.10	7.10
DAY 72	7.90		6.70			7.30														7.50	7.10		7.30	0.45	7.90	6.70
DAY 54	7.70		09.9			7.40	7.10		6.80	7.60		7.20	7.00		6.30	7.00		7.90	6.40	6.50	06.9		7.03	0.49	7.90	6.30
DAY 42	8.00		6.50	7.60		7.40	7.00		6.70	6.80	06.9	7.20	7.90		5.80	6.20		6.60		6.30	6.70		6.91	0.62	8.00	5.80
DAY 35	7.10	6.90	6.10	7.20		8.00	7.60		5.90	7.20		7.70	7.00	6.90	7.40	6.90		7.00	6.80	7.00	7.10		7.05	0.51	8.00	5.90
DAY 28	7.30	7.30	7.40	7.60	7.60	7.70	7.60		6.70	7.40	7.20	7.50	06'9	7.10		7.00		7.20	09.9	8.00	7.40		7.31	98.0	8.00	09.9
DAY 21	8.50	7.20			6.50	7.60	7.50		7.00	6.60	7.40	7.50	7.10	7.10	6.80	02'9		6.70	6.30	02'9	6.90		7.06	0.53	8.50	6.30
DAY 14	7.90	7.60	6.40	09.9	6.20	09.9	7.30		09.9	7.40	6.70	7.60	09.9	7.10	6.50	6.50		09'9	6.50	02'9	6.90		6.86	0.48	7.90	6.20
DAY 7	7.40	06'9	00'9	6.90	6.10	7.00	7.70	7.50	6.80	7.00	8.20	7.20	6.70	7.50	6.70	02'9		6.70	6.30	6.80	7.00		6.95	0.54	8.20	00.9
DAY 4	7.60	6.80	6.10	6.90	6.10	6.90	6.70	7.10	6.50	7.00		7.40	6.30	7.20	6.90	06.9		7.00	6.80	7.50	7.00		6.88	0.42	7.60	6.10
DAY 1	7.90	7.00	7.60	7.20	6.40	7.20	6.90	7.40	6.40	7.30	7.50		6.70		6.50	09.9	7.10	08'9	6.20	. 06.9	6.80		6.97	0.45	7.90	6.20
DAY 0	8.80	7.40	09'9	6.60		7.40		7.50	6.50	7.20	7.80	7.50	7.50		7.20	7.00	8.10	7.00	6.70	7.00		, g/dL	7.28	0.59	8.80	6.50
Scrn	8.50	7.30	7.20	7.30	6.70	7.70	7.80	8.20	7.10	7.50	7.90	8.50	7.50	7.20	8.20	7.10		7.20	6.80	7.10	7.20	Protein, g	7.50	0.53	8.50	6.70
Subject	01	02	03	04	05	90	20	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average 7.50	Std Dev	Max	Min

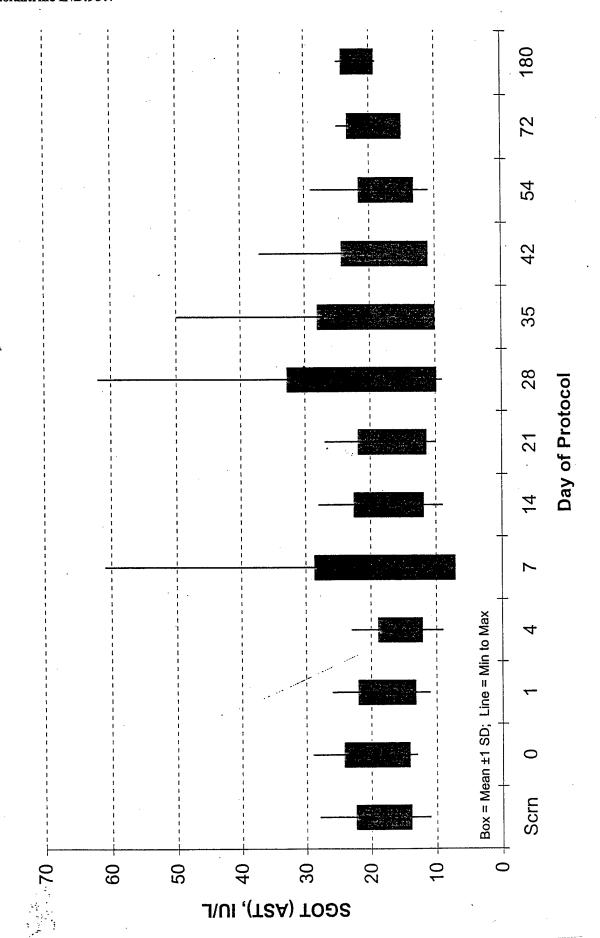
Figure 42: SD & Range Charts for Protein, g/dL



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		NAV.	ν	NAV	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	4	21	28	35	42	54	72	180
01	18	19	19	15	17	17	19	15	13	14	14	17	22
02	21	29	26	21	18	22	20	17	18				
03	15	18	24	19	14	22		22	16	37	16	25	21
04	18	17	17	15	18	17		17	18	19			
05	11		14	13	13	တ	10	14					
90	16	16	15	- 14	19	16	22	23	19	16	18	15	19
07	20		25	14	61	24	26	28	30	23	21		
90	14	13	11	12	13								
60	20	16	16	17	. 15	16	13	62	50	12	16		
10	16	17	14	17	. 15	18	14	18	16	15	18		
11	17	18	15		14	10	16	16		11			
12	25	27	-	18	20	21	20	18	17	19	15		
13	16	16	17	14	14	17	13	18	17	20	16		
14	18	17	14	13	13	13	12	12	14				
15	18	15	14	13	13	16	11		16	13	11		. 25
16	26	22	20.	23	26	28	27	30	22	23	29		
17		26	23										
18	28	28	22	13	16	24	19	19	13	18	17		
19	15	13	12	6	æ	10	10	6	11		15		
20	14	18	16	19	16	14	17	26	16	12	17	17	·
21	17		18	16	15	19	14	20	18	13	21	22	
Summary:	SGOT (AST), IU/L	ST), IU/L											
Average	18	19	18	16	18	17	17	21	19	18	17	19	22
Std Dev	90	02	9	03	11	02	05	11	60	07	40	04	03
Max	28	29	26	23	61	28	27	62	50	37	29	25	25
Min	11	13	11	60	90	60	10	60	1	-	7	15	19

Figure 43: SD & Range Charts for SGOT (AST), IU/L

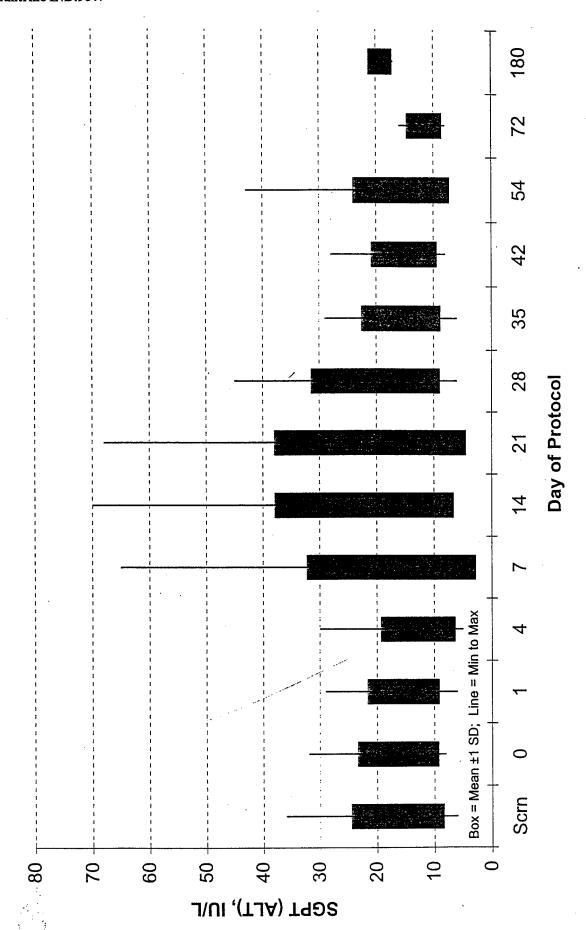


Units: IU/L

Table 10q SGPT (ALT)

	Ha	llof	ant	rin	e II	D:	984	7										·	: 									
DAY	180		18		17			21									21								19	02	21	17
DAY	72		11		16			8														10	13		12	03	16	08
DAY	54		6		15			15	14		19	15		13	10		13	43		14	12	6	18		16	08	43	60
DAY	42		10		24	14		10	20		18	14	8	13	10		16	28	,	19		10	13		15	90	28	08
DAY	35		6	14	15	13		18	29		28	12	15	6	9	12	23	28		16	12	13	17		16	20	29	90
DAY	28		15	21	13	22	8	29	40		45	17	6	17	9	16		36		29	14	10	17		20	11	45	90
DAY	21		20	26			9	25	55		6	15	11	19	9	14	13	89		31	7	15	17		21	17	89	90
DAY	14		19	32	21	34	8	20	45		11	17	6	20	6	13	. 12	70		39	16	12	16		22	16	70	80
DAY	7		17	27	11	30	6	18	65	9	11	11	9	14	4	15	11	46		16	11	11	12		18	15	65	90
DAY	4		Ξ	27	13	20	6	11	12	9	14	7		13	5	13	8	30		1	10	10	14		13	90	30	05
DAY	τ-		16	29	16	21	10	14	16	9	15	19	11		7	17	11	25	27	14	11	10	13		15	90	29	90
DAY	0		17	32	13	20		15		8	17	11	11	13	8	20	13	27	30	16	13	19		T), IU/L	16	07	32	80
	Scrn		15	24	11	16	9	16	13	6	27	6	15	16	9	32	16	36		22	13	11	16	SGPT (ALT), IU/L	16	90	36	90
	Subject		01	02	03	04	05	90	07	90	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min

Figure 44: SD & Range Charts for SGPT (ALT), IU/L



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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	_	4	7	14	21	28	35	42	54	72	180
10	5.6	9.9	6.9	5.8	6.1	7.1	7.4	0.9	6.9	6.3	6.1	5.8	6.9
02	6.3	5.7	5.7	5.5	6.0	5.8	6.3	5.0	4.2				
03	3.2	3.8	5.5	4.4	3.7	3.9		4.8	3.8	4.5	3.7	4.3	4.7
04	5.2	5.1	5.1	5.5	5.2	5.0		5.8	5.8	5.2			
05	5.8		6.4	5.6	5.7	5.6	2.7	5.4					
90	4.8	4.5	4.7	4.0	4.8	4.4	4.6	4.5	4.3	5.2	5.3	4.4	5.0
07	6.3		4.9	4.8	4.8	2.2	5.6	7.3	5.1	6.0	5.8		
80	5.5	5.4	5.4	5.7	5.4								
60	6.1	4.5	4.3	4.8	5.0	5.6	5.4	4.3	5.7	4.8	4.6		
10	3.9	3.8	3.7	4.7	3.9	5.1	4.5	4.3	4.5	4.6	4.1		
11	4.1	6.5	4.5	3.9	3.4	3.8	4.0	4.6		3.9			
12	4.4	6.0		5.2	5.0	5.2	5.2	5.6	5.4	4.8	5.2		
13	4.6	4.8	4.8	4.8	4.1	4.7	5.0	4.9	4.2	4.7	4.8		
41	5.3	6.1	6.0	6.9	9.9	7.1	6.6	6.7	5.7			-	
15	6.6	6.0	6.4	7.0	9.9	9.9	5.9	5.5	6.1	6.3	5.8		6.4
16	4.8	5.1	4.9	5.5	5.3	5.2	9.6	5.1	4.9	5.1	4.9		
17		8.1	7.3								,		
18	5.4	6.1	2.6	5.1	5.5	5.8	6.1	6.7	5.8	4.7	4.8		
19	9.9	6.5	6.4	6.9	6.4	8.9	6.5	5.9	6.7		9.9		
20	5.6	5.7	5.6	5.7	5.4	6.1	9.9	6.2	5.7	5.4	5.7	5.6	
21	5.7		5.1	6.5	5.3	5.8	5.9	5.2	5.8	5.5	5.4	5.3	
Summary:	Uric Acid, mg/dl	, mg/dL							-				
Average	5.3	5.6	5.5	5.4	5.2	5.5	5.7	5.5	5.3	5.1	5.2	5.1	5.8
Std Dev	6.0	1.1	6.0	6.0	0.9	1.0	6.0	6.0	0.9	0.7	0.8	0.7	1.1
Max	9.9	8.1	7.3	7.0	9.9	7.1	7.4	7.3	6.9	6.3	9.9	5.8	6.9
Min	3.2	3.8	3.7	3.9	3.4	3.8	4.0	4.3	3.8	3.9	3.7	4.3	4.7

Figure 45: SD & Range Charts for Uric Acid, mg/dL

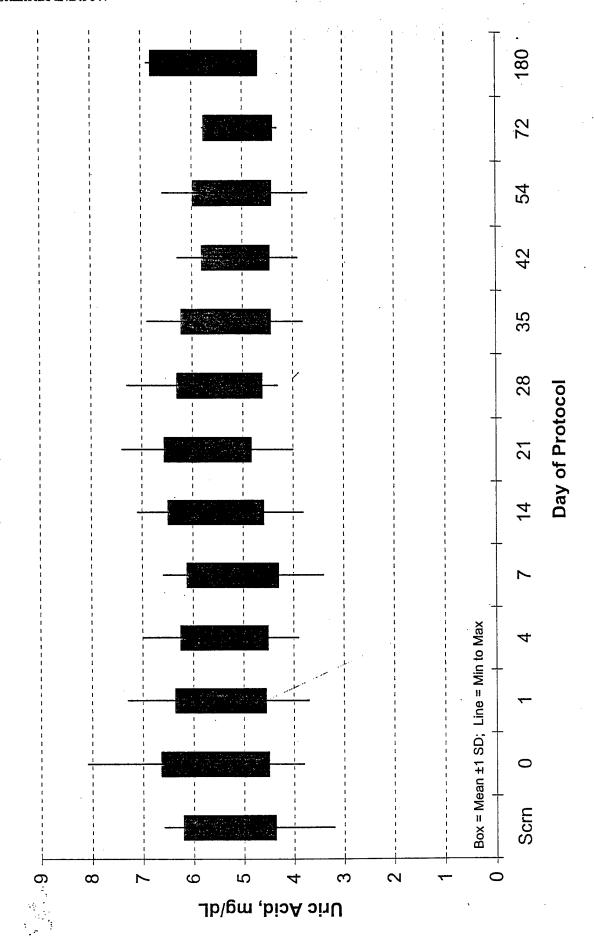


Table 11a Urinalysis: Casts

		- AU		ис . Т	1	T					_	1		.		. [ı			 1	
180																			·			
DAY 72																						
DAY 54																						
DAY 42																						
DAY 35																						
DAY 28																					-	
DAY 21																						
DAY 14																						
DAY 7											•											
DAY 4						٠																
DAY 1																						
DAY 0																						
Scrn																						
Subject		01	0.2	03	04	05	90	07	90	60	10	11	12	13	14	15	16	17	18	19	20	21

Table 11b Urinalysis: Occult Blood

,	DAY br>54	DAY 72	DAY 180									
Scrn		-	4		4	17	70	CC	74	t 0	4	2
1	ı		1	•	•	t	ı	1	•	ı	1	•
		1	•	•	-	•	ı					
4+	•	+	•	1	1	4+	+	+		1	4+	4+
	,	ŧ	1	•	1	•	ı					
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	ı	1	•	•	1		ŧ	•	•	•		
	1	•	١	•								
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	t	1	t	•	•	•	1	,	ı	-		
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١.	1	•	-	1	1		•		•	•	•	
	t	ı	•	,	,		1	i	ı	1	_	

Table 11c Urinalysis: RBC

		VAG	DAY	DAY	DAY								
Subject	Scrn	0	-	4	7	4	72	28	35	42	54	72	180
	0	0	0	0	0	0	0	0	18	1	-	0	3
	0	0	0	0	0	0	0	0	18				
က	50	0	2	0	0	0	13	6	ı	က	9	-	-
4	0	0	0	2	-	0	0	2	0				
5	0	16	0	0	0	0	1	0	2				
9	-	15	0	0	0	0	0	1	0	0	0	0	-
7	-	0	0	0	0	0		1	0	0	0		
80	0	0	0	0	0								Į.
o	0	0	0	0	0	0	0	0	-	0			
10	0	0	0	0	0	0	0	0	-	0	0		
11	2	7	0	0	0	0	0	+-	0		0		
12	0	0	0	0	0	0	0	1	-	0	0		
13	0	0	0	0	0	0	0	0	0	-	0		
14	2	0	0	0	0	0	0	0		-			
15	0	0	0	0	0	2	2	0	0	0	0		0
16	0	0	0	0	0	0	+	0	0	0	0		
17	0	0							,				
18	0	က	0	0	0	0	0	0	0	0	0		-
19	0	0	0	0	0	0	0	0	0	0	0		
20	0	0	0	0	0	0	0		2	0	0	0	
21	0	0	0	0		0	0	0	0	0	0	3	
Summary:	Urine RBC	0											
Average	2.7	2.0	0.1	0.1	0.1	0.1	6.0	1.0	2.4	0.4	0.5	0.8	1.3
Std Dev	10.9	4.8	0.4	0.4	0.2	0.5	3.1	2.3	5.7	0.8	1.6	1.3	1.3
Max	50	16	2	2	1	2	13	6	18	3	9	က	3
Min	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 46: SD & Range Charts for Urine RBC

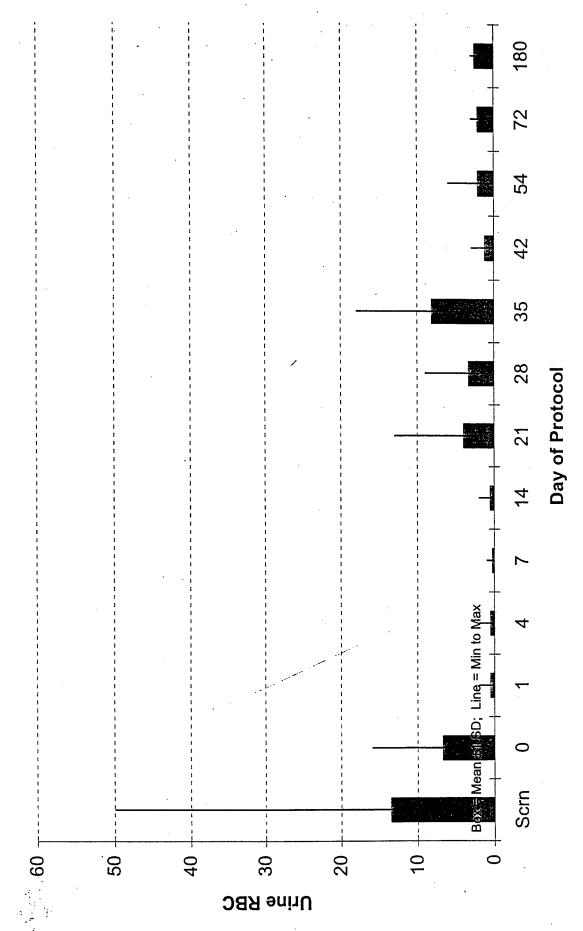


Table 11d Urinalysis: WBC

Figure 47: SD & Range Charts for Urine WBC

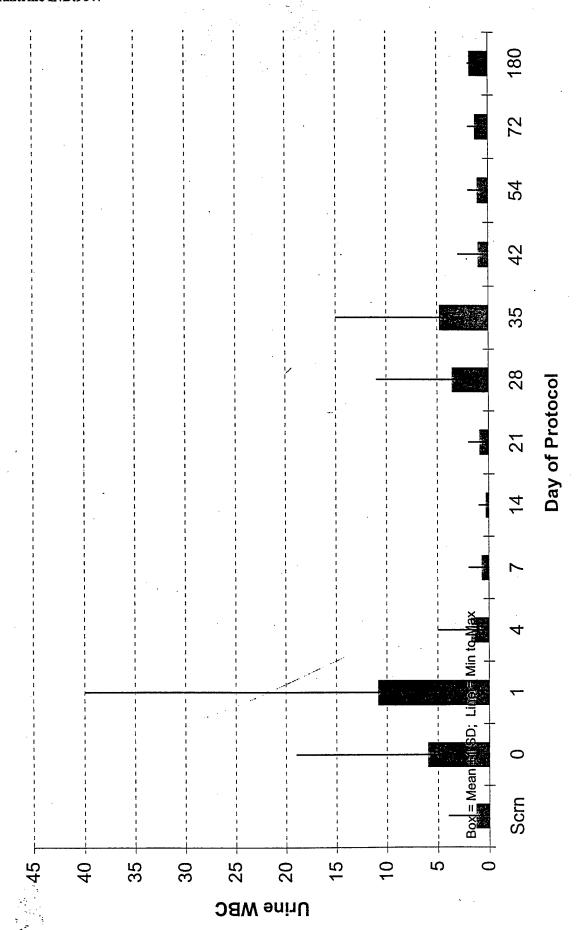


Table 11e Urinalysis: Specific Gravity

DAY	180		1.018		1.021			1.020									1.033								1.018	0.007	1.033	1.018
DAY	72		1.031		1.019	,		1.026														1.013	1.029		1.031	0.007	1.031	1.013
DAY	54		1.032		1.019			1.025	1.030			1.007	-	1.022	1.026		1.020			1.021	1.018	1.028	1.028		1.032	0.007	1.032	1.007
DAY	42		1.022		1.022			1.021	1.028		1.022	1.007	1.027	1.013	1.026		1.016	1.027		1.022	1.014	1.017	1.026		1.022	0.006	1.028	1.007
DAY	35		1.029	1.015	1.022	1.028	1.013	1.027	1.029		1.028	1.030		1.030	1.026		1.017	1.028		1.025	1.021	1.032	1.026		1.029	0.006	1.032	1.013
DAY	28		1.029	1.025	1.019	1.030	1.009	1.027	1.027		1.016	1.018	1.027	1.030	1.028	1.025	1.007	1.029		1.010	1.019		1.009		1.029	0.008	1.030	1.007
DAY	21			1.019	1.005	1.027	1.023	1.025			1.020	1.015	1.019	1.012	1.018	1.022	1.019	1.027		1.020	1.016	1.016	1.021		1.019	0.005	1.027	1.005
DAY	4		1.027	1.021	1.005	1.014	1.026	1.023	1.011		1.019	1.020	1.025	1.021	1.016	1.019	1.018	1.025		1.021	1.013	1.017	1.019		1.027	900.0	1.027	1.005
DAY	7	-	1.026	1.025	1.019	1.026	1.019	1.022	1.009	1.029	1.020	1.010	1.019	1.031	1.022	1.004	1.022	1.025		1.010	1.015	1.020			1.026	0.007	1.031	1.004
DAY	4		1.030	1.022	1.007	1.026	1.025	1.026	1.008	1.029	1.029	1.018	1.026	1.016	1.019	1.004	1.016	1.029		1.016	1.019	1.022	1.025		1.030	0.008	1.030	1.004
DAY	-		1.031	1.018	1.016	1.018	1.016	1.026	1.023	1.015	1.026	1.008	1.019	1.031	1.016	1.020	1.016	1.026		1.021	1.028	1.025	1.016	/ity	1.031	900.0	1.031	1.008
DAY	0		1.023	1.015	1.019	1.016	1.008	1.012	1.022	1.021	1.007	1.015	1.026	1.030	1.025	1.014	1.005	1.015	1.034	1.017	1.031	1.028	1.025	ecific Grav	1.023	0.008	1.034	1.005
	Scrn		1.026	1.026	1.009	1.027	1.015	1.028	1.034	1.033	1.029	1.026	1.030	1.005	1.025	1.029	1.016	1.009	1.030	1.018	1.026	1.027	1.021	Urine: Specific Gravity	1.023	0.008	1.027	1.005
	Subject		01	02	03	04	05	90	70	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	П	Std Dev	Max	Min

Figure 48: SD & Range Charts for Urine: Specific Gravity

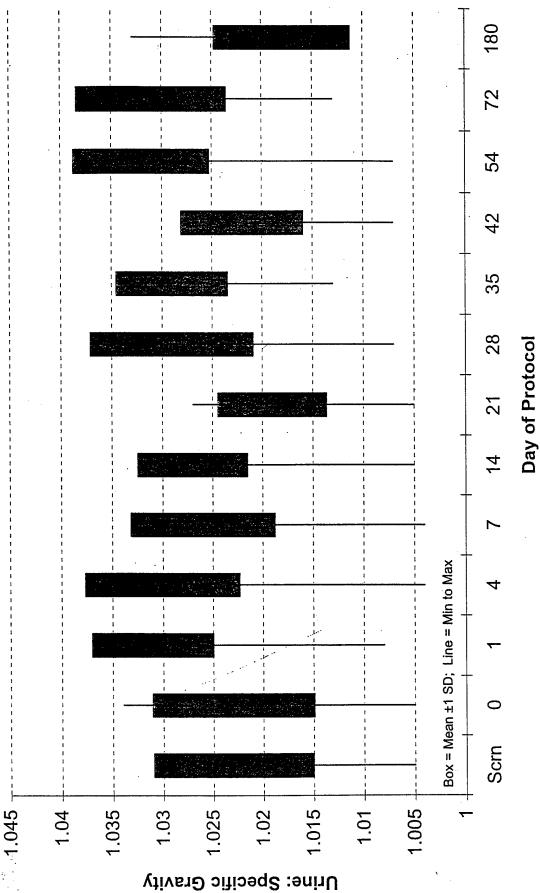
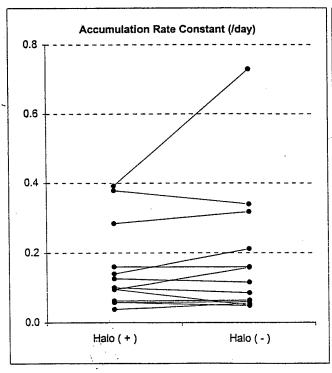


Figure 49a: Pharmacokinetics of Halofantrine Accumulation

	Accumulation Rat	te Constant (/day)	Accumulation F	lalf-time (days)
Subject	Halo (+)	Halo (-)	Halo (+)	Halo (-)
1	0.101	0.086	6.89	8.10
2	0.058	0.048	11.88	14.30
4	0.392	0.730	1.77	0.95
5	0.160	0.159	4.33	4.35
7	0.139	0.211	4.97	3.28
8	0.058	0.060	12.00	11.63
9	0.126	0.116	5.49	5.99
10	0.038	0.056	18.26	12.43
11	0.262		2.65	,
15	0.096	0.050	7.23	13.80
16 ୍	0.062	0.064	11.10	10.79
18`	0.284	0.318	2.44	2.18
[.] 19	0.379	0.340	1.83	2.04
20	0.095	0.158	7.29	4.38
Mean:	0.161	0.184	7.01	7.25
SD:	0.120	0.191	4.80	4.82
p-value:	0.	27	0.9	90

Based on exponential curve fit during administration of Halofantrine p-values from paired Student t-test



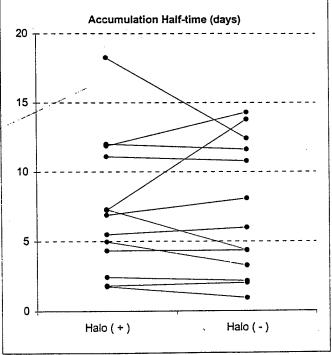


Figure 49b: Halofantrine Kinetics for Subject 01

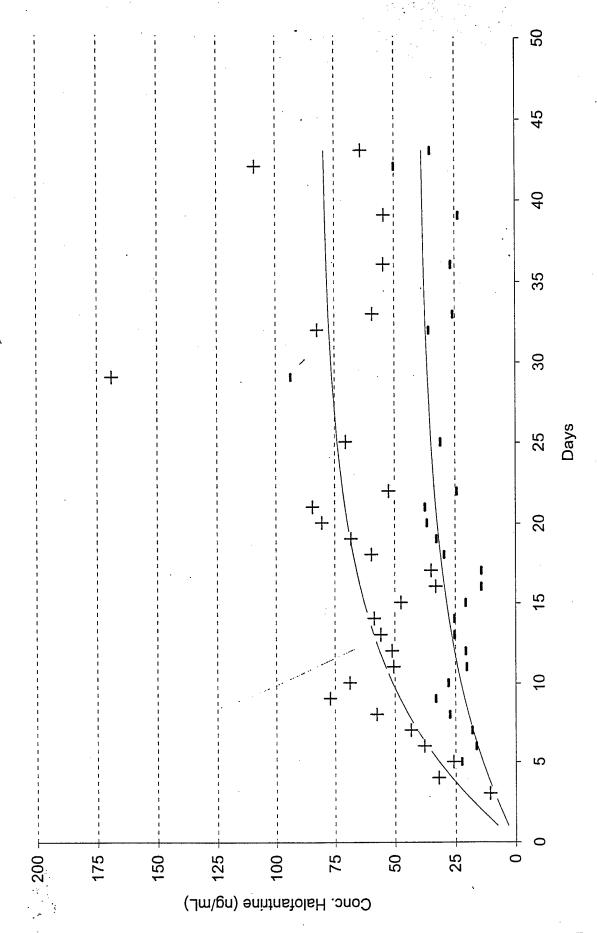


Figure 49c: Halofantrine Kinetics for Subject 02 Days Conc. Halofantrine (ng/mL)

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50 45 40 Figure 49d: Halofantrine Kinetics for Subject 04 35 + 30 Days 25 20 15 10 + + 2 125 25 Ó 100 75 20 Conc. Halofantrine (ng/mL)

Figure 49e: Halofantrine Kinetics for Subject 05 Days S Conc. Halofantrine (ng/mL)

Figure 49f: Halofantrine Kinetics for Subject 07

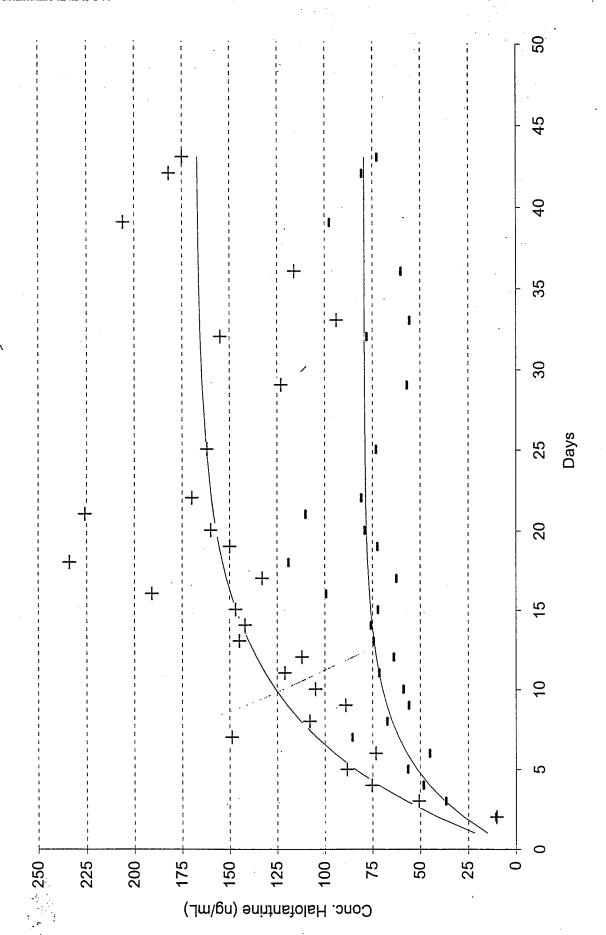
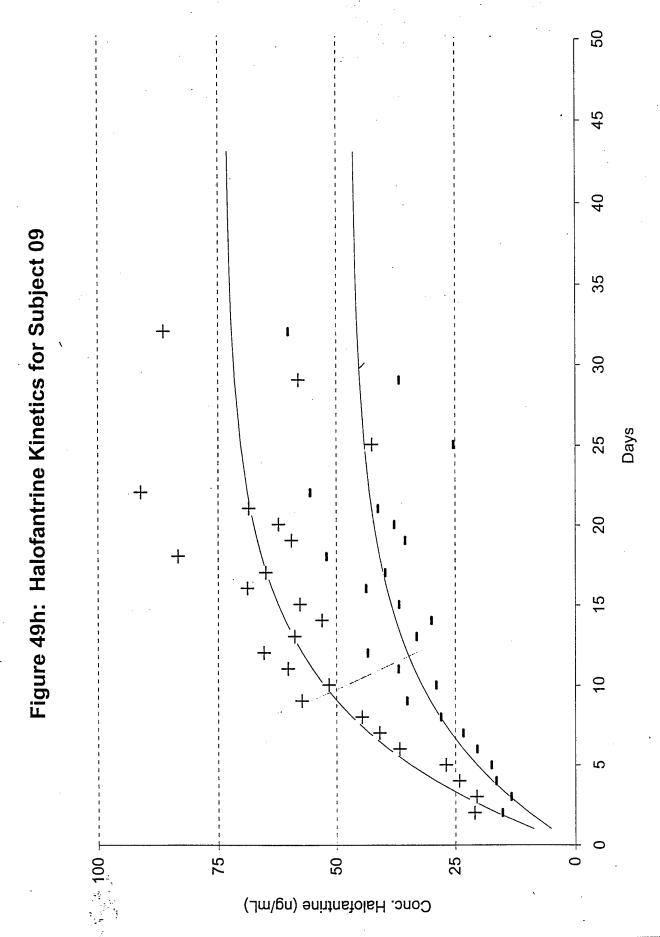


Figure 49g: Halofantrine Kinetics for Subject 08 Days Conc. Halofantrine (ng/mL)

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Figure 49i: Halofantrine Kinetics for Subject 10 Days Conc. Halofantrine (ng/mL)

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Figure 49j: Halofantrine Kinetics for Subject 11 Days Conc. Halofantrine (ng/mL)

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Figure 49k: Halofantrine Kinetics for Subject 14

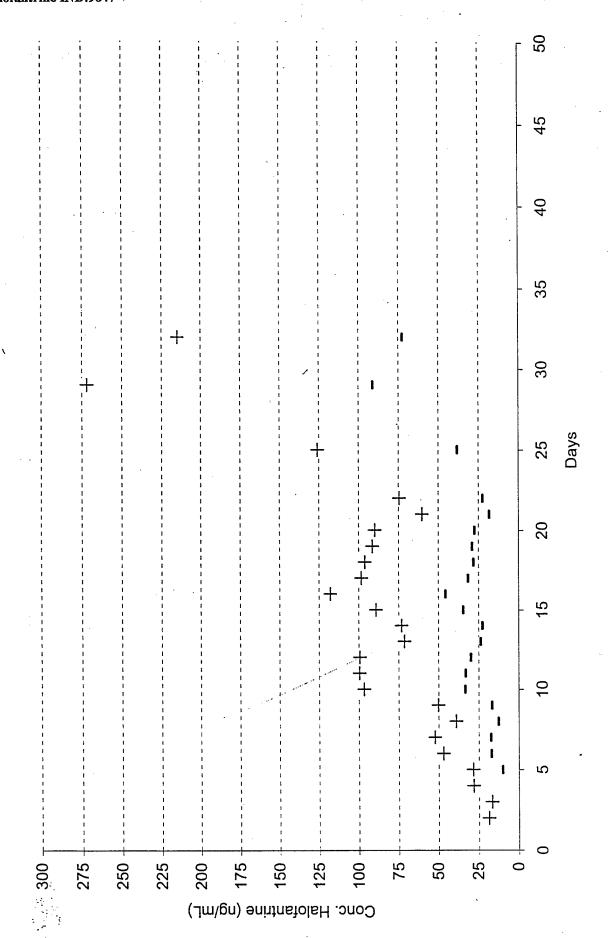


Figure 49L: Halofantrine Kinetics for Subject 15 + Days + Conc. Halofantrine (ng/mL)

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Figure 49m: Halofantrine Kinetics for Subject 16 + Days Conc. Halofantrine (ng/mL)

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Figure 49n: Halofantrine Kinetics for Subject 18

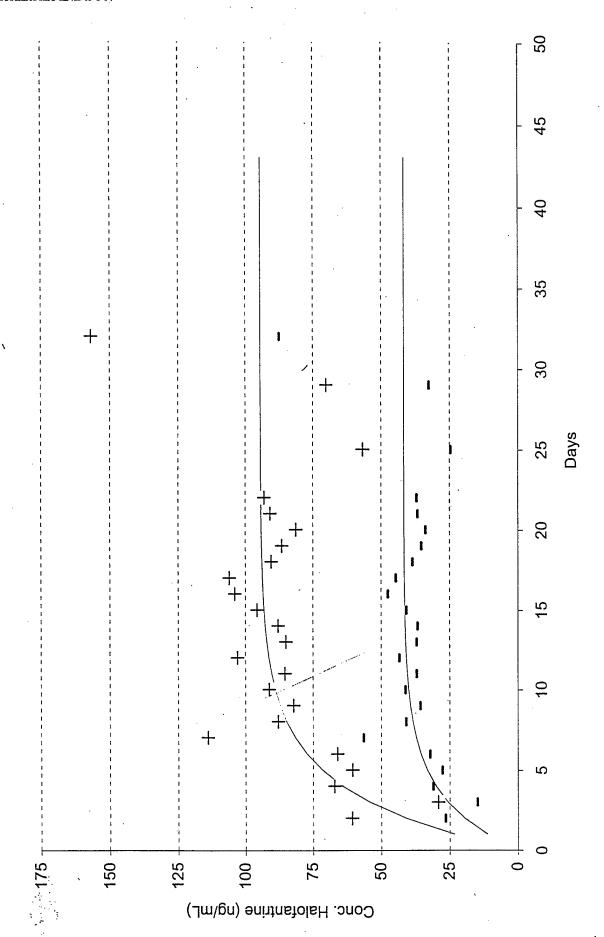
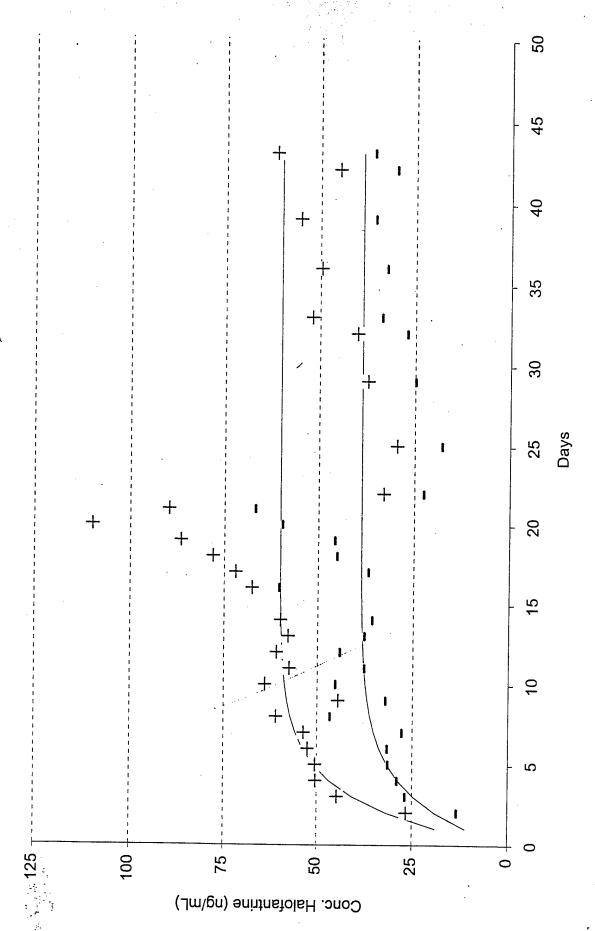


Figure 490: Halofantrine Kinetics for Subject 19



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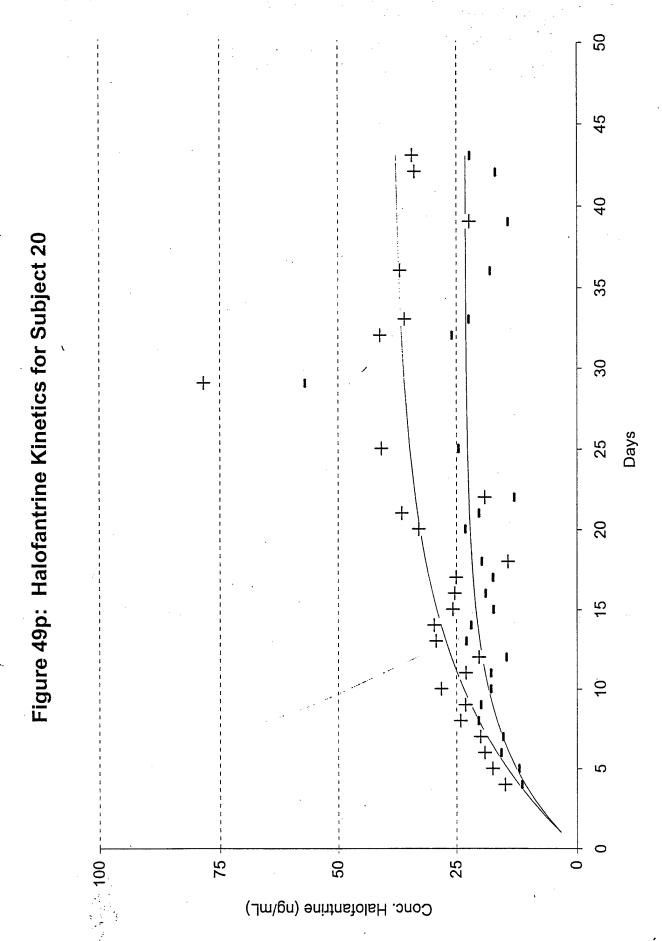
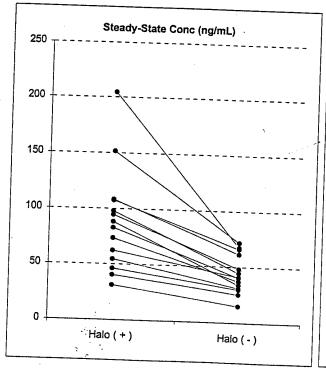
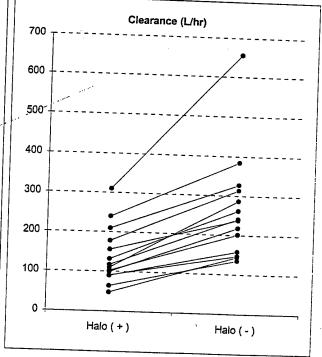


Figure 50: Pharmacokinetics of Halofantrine Clearance

Subject	Steady-State		Clearan	ce (L/hr)
Oubject	Halo(+)	Halo (-)	Halo (+)	Halo (-)
1 2 4 5 7 9 10 11 14 15 16 18 19 20	82.9 108.1 88.3 31.3 151.6 62.3 107.4 54.6 204.3 73.6 97.9 94.6 46.3 40.5	40.3 61.5 33.8 14.8 71.9 40.8 66.1 30.9 67.4 37.0 44.6 48.3 29.7 25.3	117.1 89.8 109.9 310.2 64.0 155.8 90.4 177.7 47.5 131.9 99.2 102.6 209.8 240.0	241.0 157.9 287.0 656.0 135.1 238.0 146.9 314.2 144.0 262.2 217.8 201.1 327.4 384.5
an: : alue:	88.8 46.2 0.00	43.7 17.3	139.0 73.0 0.00	265.2 135.4

Based on an average infusion rate of 233 mg/day of each isomer p-values from paired Student t-test





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									,								···		_				 				
Day 4	4hr	71	64	62	11	61	02	99	62	63	77	7.1	63	52	49	99	77		72	82	59	64		99	80	82	49
Day 4	2hr	09	89.	22	75	54	54	20	55	53	7.1	99	51	52	47	72	7.1		62	74	53	63		09	60	75	47
Day 4	Pre	92	22	54	20	22	59	69	50	58	99	29	54	46	45	57	78		63	73	50	63		09	60	78	45
Day 3	Pre	62	64	58	64	20	54	49	53	48	64	64	52	44	44	29	65		61	63	58	22		57	07	29	44
Day 2	Pre	29	58	09	20	56	53	41	54	20	65	92	22	48	45	73	70		58	68	49	64		59	10	9/	41
Day 1	12hr	02	58	53	73	09	54	46	61	22	62	85	09	51	44	64	71		99	64	55	99		61	10	85	44
Day 1	10hr	74	63	56	29	09	64	45	51	58	7.5	93	29	53	47	99	99		9/	72	54	65		64	1	93	45
Day 1	8hr	89	65	09	69	58	55	46	54	22	64	96	65	22	43	99	09		29	09	55	65		62	- 11	96	43
Day 1	6hr	69	22	58	71	61	54	44	59	63	29	98	.63	52	44	73	69	29	64	89	62	69		63	10	98	44
Day 1	4hr	29	59	63	29	52	99	47	59	55	70	98	7.7	54	47	83	72	89	63	69	64	70		65	12	86	47
Day 1	3hr	61	99	28	64	51	69	25	57		. 72	89	70	26	48	62	9/	29	65	09	52	63		63	10	89	48
Day 1	2hr	59	55	59	99	58	55	51	57	52	64	88	58	45	44	74	99	59	58	61	52	59		29	10	88	44
Day 1	1hr	72	55	55	69	52	22	41	57	51	62	83	58	46	46	09	0/	22	55	62	52	59		28	10	83	41
Day 1	.5hr	29	51	58	71	51	59	41	51	50	59	98	. 09	44	45	29	72	53	99	61	46	58		22	1	98	41
Day 1	Pre	58	55	09	69	56	64	46	55	49	59	84	09	46	45	65	78	29	58	58	20	62	Rate, BPM	29	10	84	45
	Scrn	87	71	90	79	90	72	58	61	51	68	92	59	51	49	68	74	55	68	69		29	ECG: Ra	99	11	92	49
	Subj	10	02	03	04	05	90	. 07	90	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min

74 62 67 69 67 59 58 53 58 61 61 62 63 106 60 61 63 58 58 61 61 63 61 63 61 61 63 64 67 61 61 63 64 57 61 61 61 63 75 61 61 61 64 67 61 61 64 67 68 68 69 68 69 75 68 69 68 69 69 67 69 67 60 61 61 67 69 68 69 68 69	Day 4 8hr		Day 4 12hr	Day 5 PRE	Day 6 Pre	Day 7 Pre	Day 7 2hr	Day 7 4hr	Day 7 6hr	Day 7 8hr	Day 7 12hr	Day 8 Pre	Day 9 Pre	Day 10 Pre	Day 11 Pre	Day 12 Pre
64 62 61 68 106 80 61 53 54 57 62 64 65 65 60 61 61 54 54 56 68 69 74 66 71 72 71 69 75 68 73 46 55 54 49 54 67 52 55 50 50 49 57 53 65 54 49 54 67 68 69 66 69 <td>64</td> <td></td> <td>74</td> <td>S</td> <td>67</td> <td>56</td> <td>64</td> <td>62</td> <td>65</td> <td>57</td> <td>69</td> <td>67</td> <td>59</td> <td>58</td> <td>53</td> <td>61</td>	64		74	S	67	56	64	62	65	57	69	67	59	58	53	61
52 54 57 62 65 60 61 61 64 56 57 68 73 68 73 68 73 68 75 68 75 68 75 68 75 69 75 68 75 69 75 68 75 69 75 69 75 68 73 74 69 75<	69		71	64	62	61	55	62	89	106	80	61	53	54	22	61
79 68 69 74 66 71 78 72 71 69 75 69 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 69 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75<	89		62	52	54	22	62	65	62	90	61	61	54	54	99	89
52 46 55 54 67 52 55 55 50 50 49 65 57 53 65 54 75 70 58 64 59 58 64 69 58 64 69 66 66 67 66 67 68 67 67 64 67 68 67 67 67 68 67 67 67 68 67 67 67 68 67 67 67 68 67 67 67 68 67 67 67 68 67 67 67 68 </td <td>93</td> <td>~</td> <td>79</td> <td>89</td> <td>69</td> <td>74</td> <td>99</td> <td>71</td> <td>78</td> <td>72</td> <td>71</td> <td>69</td> <td>75</td> <td>68</td> <td>73</td> <td>75</td>	93	~	79	89	69	74	99	71	78	72	71	69	75	68	73	75
65 57 53 65 54 75 70 58 64 59 58 64 69 64 69 58 64 69 64 69 58 65 66 66 66 67 67 68 67<	59		52	46	55	54	49	54	29	52	55	55	20	20	49	26
55 47 67 59 54 72 64 57 69 58 65 65 65 65 65 65 65 65 65 65 65 65 67<	89		65	57	53	65	54	75	20	58	64	59	58	54	64	61
58 54 61 62 58 57 60 56 56 57 54 48 58 51 49 53 51 67 61 56 60 50 57 54 48 76 65 75 68 73 77 74 94 71 72 60 90 75 48 73 65 64 61 64 61 67 66 65 64 66 67 61 60 75 61 67 56 64 64 64 65 66 65 64 66 67	52		55	47	29	59	54	72	64	22	69	58	92	65	62	22
58 51 49 53 51 67 61 56 60 50 57 54 48 76 65 65 65 65 65 65 60 90 75 73 65 64 64 61 74 67 65 65 61 60 90 75 56 64 64 61 74 67 65 67 61 60 60 64 66 66 65 66 65 64 66 72 61 62 67 <td>28</td> <td>_</td> <td>58</td> <td>54</td> <td>51</td> <td>52</td> <td>54</td> <td>62</td> <td>58</td> <td>57</td> <td>09</td> <td>99</td> <td>99</td> <td>22</td> <td></td> <td></td>	28	_	58	54	51	52	54	62	58	57	09	99	99	22		
76 65 75 68 73 77 74 94 71 72 60 90 75 73 65 64 64 64 64 64 64 64 67 65 65 65 67 61 60 90 75 56 64 64 64 65 65 66 65 64 66 72 61 60 64 54 47 45 51 66 65 64 66 48 46 <td>26</td> <td>9</td> <td>58</td> <td>51</td> <td>49</td> <td>53</td> <td>51</td> <td>29</td> <td>61</td> <td>56</td> <td>09</td> <td>20</td> <td>25</td> <td>54</td> <td>48</td> <td>53</td>	26	9	58	51	49	53	51	29	61	56	09	20	25	54	48	53
73 65 64 64 61 74 67 65 65 65 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66 67<	29	7	9/	65	75	89	73	77	74	94	7.1	72	09	06	75	67
56 64 64 65 65 65 66 65 67 67 61 66 67 72 61 62 67 64 66 67 72 61 62 67 64 66 67<	_	74	73	65	64	64	61	74	29	65	65	62	61	09	64	09
54 47 53 50 50 50 50 64 64 64 46 46 46 48 45 45 46 46 48 45 45 45 46 46 48 45 45 45 46 48 45 45 45 46 48 46 48 45<	"	56	. 99	64	64	55	56	65	99	65	64	99	72	61	62	61
41 45 48 46 46 46 46 48 45 45 46<		5.1	54	47	53	50	50	59	52	57	61	53	20	47	46	45
55 59 66 69 63 67 58 62 61 58 59 57 62 73 79 64 65 68 78 76 73 69 74 67 66 78 78 78 78 78 69 74 67 66 78 78 78 78 78 78 78 78 67 67 65 64 60 50 56 </td <td>Ľ</td> <td>48</td> <td>41</td> <td>45</td> <td>48</td> <td>47</td> <td>45</td> <td>51</td> <td>20</td> <td>46</td> <td>46</td> <td>48</td> <td>45</td> <td>45</td> <td>42</td> <td>47</td>	Ľ	48	41	45	48	47	45	51	20	46	46	48	45	45	42	47
73 79 64 65 68 78 76 73 69 74 67 66 78 78 64 63 61 70 65 77 78 69 68 63 67 65 65 65 66 66 64 57 65 65 65 66 66 64 57 65 65 66 66 64 57 65 65 65 66 66 64 57 65 65 66 66 66 64 57 56 56 56 56 56 56 56 56 56 56 56 56 58 56 56 58 56 56 58 59 </td <td></td> <td>27</td> <td>55</td> <td>.59</td> <td>99</td> <td>69</td> <td>63</td> <td>29</td> <td>58</td> <td>62</td> <td>61</td> <td>58</td> <td>59</td> <td>22</td> <td>62</td> <td>55</td>		27	55	.59	99	69	63	29	58	62	61	58	59	22	62	55
64 63 61 70 65 77 78 72 68 63 67 62 65 65 65 66 65 67 65<		35	73	79	64	65	68	78	92	73 🔍	69	74	29	99	78	65
64 63 61 70 65 77 78 72 68 63 67 65 67<				-												
64 68 66 66 63 73 69 68 62 56 66 64 57 56 64 59 68 65 55 56<		99	64	63	61	70	65	77	78	72	89	63	29	62	65	61
59 51 53 54 59 58 55 55 56 58 56 58 58 58 58 58 58 58 58 58 58 59<	<u> </u>	92	64	89	99	63		73	69	68	62	56	99	64	22	62
67 64 60 57 55 65 64 68 71 58 59 56 58 63 59 60 60 58 67 65 64 60 59 59 59 59 10 09 08 07 08 08 14 07 07 08 78 10 78 78 45 45 45 45 45 45 45 45 45 45 45 45 42 <td></td> <td>55</td> <td>59</td> <td>51</td> <td>53</td> <td>51</td> <td>55</td> <td>64</td> <td>59</td> <td>58</td> <td>22</td> <td>55</td> <td>26</td> <td>52</td> <td>56</td> <td>55</td>		55	59	51	53	51	55	64	59	58	22	55	26	52	56	55
63 59 60 68 67 65 65 64 60 59 59 59 79 79 74 47 45 48 47 45 45 46 46 46 59 59 59 59 79 79 74 74 45 45 46 46 46 46 46 48 45 45 42		99	29	64	09	22	55	65	64	68	71	:58	59	56	58	56
63 59 60 60 68 67 65 65 64 60 59 59 59 59 10 09 08 07 08 04 07 07 08 10 10 79 79 75 74 73 78 78 106 80 74 75 90 78 41 45 48 45 46 46 48 45 42 42																
63 59 60 60 58 67 65 65 64 60 59 59 59 10 09 08 07 08 14 07 07 08 10 </td <td></td>																
10 09 08 07 08 14 07 07 08 10<		63	63	29	09	09	28	29	65	65	64	09	29	29	59	29
79 79 75 74 73 78 78 106 80 74 75 90 78 41 45 48 46 46 48 45 45 42 42		10	10	60	80	80	20	80	80	14	07	07	08	10	10	07
41 45 48 47 45 51 50 46 46 48 45 45 42		93	79	79	75	74	73	78	78	106	80	74	75	90	78	75
	7	8	41	45	48	47	45	51	20	46	46	48	45	45	42	45

.												,	-	
Subj	Day 13 Pre	Day 14 Pre	Day 14 2hr	Day 14 4hr	Day 14 6hr	Day 14 8hr	Day 14 12hr	Day 15 Pre	Day 16 Pre	Day 17 Pre	Day 18 Pre	Day 19 Pre	Day 20 Pre	Day 21 Pre
10	99	29	59	59	64	99	64	57	63	22	65	80	64	68
02	52	54	29	09	76	29	71	63	53	63	54	54	56	58
03	64	89	62	56	70	63	65	61	09	61	59	59	52	22
04	89	73	74	9/	83	83	84	62	9/	2.2	86	81	9/	75
05	58	53	54	65	58	52	51	51	53	54	58	56	54	52
90	22	56	54	71	89	65	63	99	61	89	99	09	29	09
07	59	89	61	89	72	84	65	20	63	29	64	65	29	85
90														
60	56	45	59	09	55	54	57	23	50	56	50	49	56	51
10	59	75	64	75	73.	80	65	62	69	61	88	79	29	7.1
11	54	99	63	74	70	71	79	61	64	62	62	64	67	65
12	63	59	59	56	57	63	92	29	61	63	29	65	59	62
13	46	42	49	90	44	91	58	20	20	49	52	. 48	43	44
14	42	45	44	51	51	48	49	46	44	46	46	45	20	49
15	58	55	56	71	65	58	56	54	51	52	61	69	22	54
16	81	64	65	78	80	65	72	20	71	78	70	70	71	75
17														
18	70	65	68	√ 89	95	82	85	89	29	62	29	65	68	74
19	58	62						63	56	57	22	61	09	57
20	55	54	99	29	58	62	63	54	53	55	54	55	54	58
21	28	52	22	64	69	61	89	22	54	55	59	09	55	54
		,												
Summary:									•					
Average	29	29	09	99	29	68	99	61	59	09	63	62	09	62
Std Dev	60	60	07	10	12	12	10	.80	08	80	12	10	80	11
Max	81	75	74	89	92	91	85	6/	76	78	86	81	9/	85
Min	42	42	44	51	44	48	49	46	44	46	46	45	43	44

		 																_									
Day 42	1hr	59		62			56	56		46	63	90	59	49		62	61		28	09	54	54		22	05	63	46
Day 45	.5hr	63		61			22	55		58	59	63	62	48		22	63		29	61	53	57		58	25	63	48
Day 45	Pre	57		56			58	59		47	69	64	59	47		90	29		22	64	58	52		58	90	69	47
Day 39	Pre	72	68	99			64	89		20	09	73	02	56	56	68	75			67	54	52		64	08	75	20
Day 36	Pre	63	80	58	75		62	53		54	22		61	54	25	72	72			69	51	.09		62	60	80	51
Day 32	Pre	75	109	62	75		73	75		55	72	02	02	09	54	71	02		81	89	54	. 61		70	13	109	54
Day 29	Pre	73	68	59	72		29	29		59	84	77	70	50	58	75	. 29		88	61	56	56	,	29	10	88	50
Day 25	Pre	73	22	25	81	53	22	79		72	75	71	74	62	59	9/	9/		80	09	54	54		69	10	81	52
Day 22	Pre	82	72	54	85	55	70	65		09	72	99	65	54	50	55	72		72	29	59	56		65	10	85	50
Day 21	12hr	75	73	63	78	99	69	69		. 09	29	72	29	47	49	29	75		77	63	09	72		99	60	78	47
Day 21	8hr	9/	72	53	85	22	9/	99		61	9/	74	89	49	20	58	73		85	65	99	57		. 29	11	85	49
Day 21	6hr	71	64	56	82	22	78	69		63	82	73	29	46	51	63			85	69	64	58		29	11	85	46
Day 21	4hr	75	53	51	88	63	9/	89		64	80	80	99	52	52	29	89		83	9/	64	61		69	12	89	51
Day 21	2hr	56	51	49	75	54	64	89		61	65	70	59	43	57	56	64		72	59	56	54		09	80	75	43
	Subj	10	02	03	04	05	90	07	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min

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											•										,					
Day 57 AM	64		61			63	78		69			78	62		63			81	63	51	72		29	60	81	51
Day 54 AM	68		65			64	83		56	81		90	62		89			98	74	58	71		69	10	86	56
Day 51 AM	54		64			61	65		90	81		74	59		78			80	80	65	93		20	11	93	54
Day 48 AM	59		69			64	68		54	70		29	49		61				74	58	74		64	08	74	49
Day 45 AM	09		74			55	74				62	55	64		63			75	65	53	70		99	60	79	53
Day 44 AM	58		70			57			55	62	68	61	62		69	96		73	69	54	71		29	11	96	54
Day 43 AM	56		73			59	36		50	7.1	89	58	50		75	78		22	62	58	55		09	11	78	36
Day 42 12hr	71		. 58			23	55		52	72	70	09	49		75	75		09	62	22	57		62	60	75	49
Day 42 10hr	76		56			69	29		23	0/	89	58	49		7.1	73		62	63	58	64		63	80	9/	49
Day 42 8hr	69		53			59	54		- 23	59	89	55	46		89	73		99	62	63	65		09	80	73	46
Day 42 6hr	29		<u> </u>			. 09	47		49	63	71	55	45		89	76		\ 59	63	62	57		09	60	9/	45
Day 42 4hr	70		62			78	59		54	9/	77	61	51	-	71	89		64	89	99	63		99	80	78	51
Day 42 3hr	86		62			58	48		55	87	75	89	49		73	6/		65		59	22		99	12	87	48
Day 42 2hr	63		57			58	26		51	20	64	55	52		64	57		57	61	57	58		59	05	70	51
Subj	. 01	02	03	04	05	90	07	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min

Table 12a-6 ECG: Rate

Blank = Not Obtained

-	Day 72	Day 180
fanc	AM	AK
70	7.7	۲α
2	*	5
02		
03	62	09
04		
05		
90	99	83
07	29	29
80		
60	51	62
10		
11		
12	64	69
13	29	62
14		
15	111	87
16	14	83
17		
18	06	
19	58	
20	22	
21		
Summary:		
Average	69	73
Std Dev	17	11
Max ´	111	87
Min	51	09

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Figure 51: SD & Range Charts for ECG: Rate, BPM

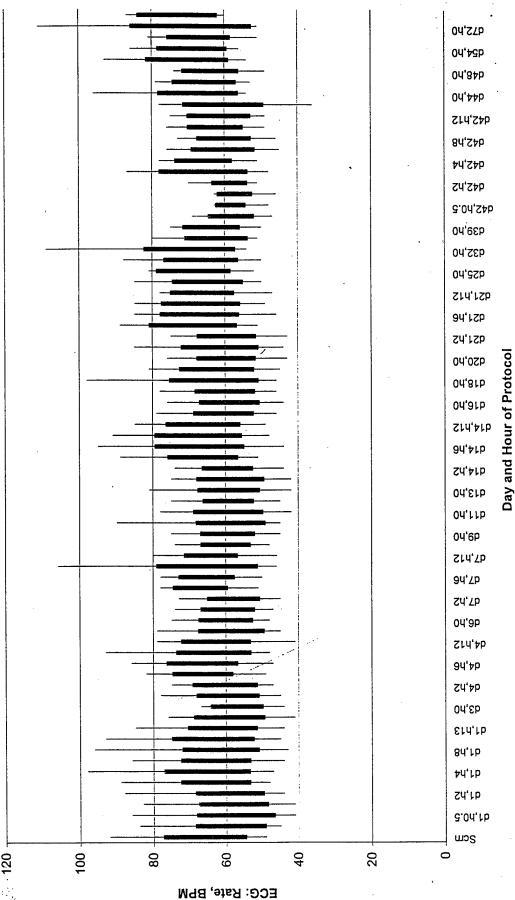


Table 12b-1 ECG - PR Interval

٠	H	alo	fan	tri	ne	IN	D:9	984	7																			
Day 4	8hr		156	142	176	154	154	142	150	138	152	140	140	170	148	176	150	174		144	130	152	162		153	13	176	130
Day 4	6hr	-	146	152	186	168	150	140	156	138	148	143	138	166	140	164	148	180	•	142	124	140	152		151	15	186	124
Day 4	4hr		158	150		162	144	142	150	130	142	130	140	166	148	174	146	176		142	128	148	158		149	14	176	128
Day 4	2hr		162	152	198	162	162	144	160	144	160	140	146	168	154	180	148	184		146	132	150	160		158	16	198	132
Day 4	Pre		170	152	196	158	166	136	154	162	166	114	136	176	164	182	150	178		154	136	144	164		158	19	196	114
Day 3	Pre		160	160	180	158	170	150	156	158	168	148	136	138	164	176	152	182		152	130	148	148		. 157	14	182	130
Day 2	Pre		150	158	170	156	156	142	164	158	162	144	130	166	160	166	146	178		154	138	140	158		155	12	178	130
Day 1	12hr		142	168	184	156.	160	136	158	120	154	138	128	170	144	174	150	174		140	128	138	162		151	18	184	120
Day 1	10hr		148	156	184	152	154	140	164	134	150	130	128	164	142	168	116	180		136	132	142	172	-	150	18	184	116
Day 1	8hr		148	156	170	150	144	148	152	128	154	124	126	164	144	180	148	164		140	128	138	160		148	15	180	124
Day 1	6hr		136	166	172	160	148	124	158	136	148	132	130	166	142	174	146	178	160	130	134	138	156		149	16	178	124
Day 1	4hr		154	174	172	156	156	130	146	144	148	126	128	156	146	168	138	178	160	138	132	136	160		150	16	178	126
Day 1	3hr		154	172	164	148	154	154	130	150		132	130	156	138	170	126	180	172	140	130	146	170		151	17	180	126
Day 1	2hr		156	168	154	162	150	146	134	128	160	142	132	162	150	180	148	178	176	144	134	154	170		154	15	180	128
Day 1	1hr		136	170	174	164	156	144	150	134	168	142	132	164	156	178	148	180	194	142	134	142	156		155	17	194	132
Day 1	.5hr		148	164	166	160	160	154	154	136	168	140	128	172	154	172	152	172	176	142	136	146	152	val	155	14	176	128
Day 1	Pre		138	162	162	156	160	142	148	150	170	144	130	164	152	170	146	182	178	142	136	142	180	ECG - PR Interval	155	15	182	130
	Scrn		146	162	174	162	150	136	160	146	168	140	136	164	150	170	150	174	174	140	126		154	ECG-F	154	14	174	126
	Subj		01	02	03	04	05	90	07	08	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	Min

					_			•						_			_											
Day 14	2hr	146	168	156	148	154	128	140		158	140	148	184	148	184	154	192		154		146	174		:	157	17	192	128
Day 14	Pre	162	146	172	150	168	134	146		166	136	140	178	156	182	156	198		162	136	142	158			157	17	198	134
Day 13	Pre	166	162	160	152	158	134	134		168	148	152	176	162	182	154	186		156	136	142	172			158	15	186	134
Day 12	Pre	164	168	166	155	154	138	132		174	136	138	174	164	176	154	184		158	130	148	166	! !		157	16	184	130
Day 11	Pre	152	162	180	164	164	136	154		174	134	146	176	136	162	158	196		152	134	98	174		i	155	22	196	98
Day 10	Pre	166	150	184	144	160	144	152	150	174	140	142	178	156	166	152	192		156	136	148	170			158	15	192	136
Day 9	Pre	150	160	176	140	152	144	132	138	162	146	146	178	160	158	154	184		154	134	146	166			154	4	184	132
Day 8	Pre	138	154	164	148	160	156	160	150	162	128	142	170	162	164	152	192		154	138	146	158			155	14	192	128
Day 7	12hr	152	156	186	150	156	142	132	144	154	136	136	170	148	172	152	172		146	130	140	153			151	15	186	130
Day 7	8hr	158	140	166	144	148	116	148	152	154	142	134	168	146	174	144	192		140	130	136	146	i		149	17	192	116
Day 7	6hr	154	152	166	150	142	136	146	146	156	138	132	164	140	166	140	174		136	126	130	156	;		148	13	174	126
Day 7	4hr	142	166	182	152	156	134	148	130	152	134	134	174	146	160	138	180		138	126	140	156			149	16	182	126
Day 7	2hr	160	162	182	150	158	134	164	152	150	142	140	178	150	178	148	190		154		136	170	,		158	16	190	134
Day 7	Pre	164	140	186	150	154	144	156	156	168	140	142	184	156	176	152	174		154\	136	138	168	:		157	15	186	136
Day 6	Pre	154	140	148	156	164	136	156	166	174	140	146	178	156	180	150	184		160	134	142	176	į		157	15	184	134
Day 5	PRE	160	162	178	154	158	142	158	140	168	118	150	168	160	176	146	182		150	136	152	154	:		156	15	182	118
Day 4	12hr	158	158	198	154	152	140	156	146	158	134	144	176	144	182	152	188		152	128	132	150	i :		155	18	198	128
	Subj	6	02	03	04	05	90	07	08	60	10	11	12	13	14	15	16	17	18	19	20	21		Summary:	Average	Std Dev	Max	Zin

	Day 14	Day 14	Day 14	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21				
Subj	4hr	6hr	8hr	12hr	Pre	2hr	4hr	6hr	8hr						
										`					
01	150	136	150	140	142	148	148	156	146	158	164	160	148	144	150
02	152	158	152	156	168	166	176	180	168	172	170	176	166	188	170
03	142	158	178	180	176	162	156	176	190	170	156	154	176	176	176
04	142	144	146	154	150	142	156	150	144	146	144	150	148	140	148
05	144	146	154	170	166	156	150	140	150	162	154	146	150	144	150
90	142	136	142	148	152	136	150	144	136	132	136	146	140	138	138
07	154	158	150	136	140	156	126	152	136	144	150	152	154	152	160
80															
60	148	162	164	162	172	174	174	172	172	174	168	168	164	160	152
10	142	146	142	148	148	146	150	150	150	140	150	146	138	138	140
11	130	132		130	148	146	144	148	148	144	138	138	126	136	138
12	170	170	178	140	170	178	166	186	186	174	178	174	170	166	176
13	140	144	142	144	164	162	140	154	160	140	162	134	150	154	144
14	162	162	162	174	176	174	166	174	168	170	166	158	158	164	174
15	152	144	150	144	152	144	148	156	154	150	158	156	148	140	150
16	184	182	100	186	184	184	186	186	188	184	184	186	178	180	182
17															
18	136	132	136	144	154	152	156	156	156	160	156	146	142	140	140
19					132	136	132	140	136	136	138	126	130.	128	136
20	144	136	134	130	148	146	150	144	146	144	146	146	140	134	134
21	172	154	170	168	164	180	176	166	184	186	176	176	. 166	156	172
				-											
Summary:															
Average	150	150	150	153	158	157	155	159	159	157	158	155	152	151	154
Std Dev	14	14	19	17	14	15	16	15	18	17	14	16	15	17	16
×	184	182	178	186	184	184	186	186	190	186	184	186	178	188	182
Min	130	132	100	130	132	136	126	140	136	132	136	126	126	128	134

Table 12b-4 ECG - PR Interval

	Day 21	Day 22	Day 25	Day 29	Day 32	Day 36	Day 39	Day 45	Day 42						
Subj	12hr	Pre	Pre	Pre	Pre		Pre	Pre	.5hr	1hr	2hr		4hr	6hr	8hr
										\					
2	148	160	172	148	146	148	144	148	158	138	136	144	144	146	142
02	166	172	202	180	176	152	158								
03	164	166	160	170	176	178	144	156	162	166	160	138	164	162	164
04	148	142	152	134	150	146									
05	154	154	152												
90	142	146	150	140	140	144	124	140	128	140	136	140	136	128	120
07	156	150	156	162	164	166	164	166	162	172	170	166	172	166	156
80															
60	162	168	152	158	164	146	154	168	160	150	146	144	150	144	148
10	128	150	142	134	128	. 140	138	138	140	148	144	142	144	150	136
11	138	136	132	134	134		130	136	144	144	136	132	134	138	142
12	172	168	162	160	162	170	158	182	178	178	182	182	178	176	174
13	148	164	152	134	154	158	154	164	160	158	160	166	168	160	162
14	164	172	166	180	164	158	162								
15	142	150	144	138	146	140	146	148	146	152	158	148	142	146	164
16	182	186	176	180	178	174	176	184	180	162	154	188	156	168	170
17				···											
18	148	152	134	140	142			140	138	142	138	136	136	130	134
19	134	134	126	134	144	128	126	126	126	130	126	120	128	116	122
20	138	142	140	140	148	140	136	152	144	148	150	148	144	142	140
21	160	188	156	146	154	148	148	178	172	174	162	170	146	160	156
				, ·											
Summary:				-											
Average	152	158	154	151	154	152	148	155	153	153	151	151	149	149	149
Std Dev	14	16	11	17	15	14	15	18	17	14	15	19	15	17	17
Max	182	188	202	180	178	178	176	184	180	178	182	188	178	176	174
Min	128	134	126	134	128	128	124	126	126	130	126	120	128	116	120

Table 12b-5 ECG - PR Interval

Blank = Not Obtained

	Day 42	Day 42	Day 43	Day 44	Day 45	Day 48	Day 51	Day 54	Day 57	Day 72	Day 180
Subj	10hr	12hr	AM	AM	AM	AM	AM	AM	AM	ΑМ	AM
01	152	154	148	148	154	146	150	158	160	160	160
02											
03	164	162	150	158	176	162	154	136	174		178
04											
05											
90	128	124	130	134	122	124	111	138	146	128	
07	162	164	170		168	182	182	154	130	170	182
80											
60	148	156	166	162		158	142	154	152	172	158
10	126	148	146	148	130	136	140	152			
11	144	128	146	138	128						
12	176	174	170	166	174	176	168	180	166	166	172
13	164	162	160	152	152	126	148	142	154	140	
14											
15	152	148	146	144	146	148	142	138	148	140	140
16	170	170	170	178						180	174
17											
18	132	136	140	126	132		138	132	146	132	
19	128	130	130	118	136	130	124	132	118	124	
20	140	148	148	142	138	146	138	146	138	134	
21	146	140	160	146	142	154	162	136	134		
Summary:	ı	•	!	#** *** *** *** *** *** *** *** *** ***		:					:
Average	149	150	152	147	146	149	146	146	147	150	166
Std Dev	16	16	14	16	18	19	18	14	16	20	15
Max	176	174	170	178	176	182	182	180	174	180	182
Min	126	124	130	118	122	124	111	132	118	124	140

04,27b 04,43b 04,84b 04,44b 45,612 84,S4b 47,5hd 742,52 442,h0.5 04,esb 04,2Eb Figure 52: SD & Range Charts for ECG - PR Interval 04,62b 421,612 94,126 **421,52** Day and Hour of Protocol **930,h0** 04,816 04,81b 414,512 94,41b -24,41b 04'ELP 04,11b 04'6P Srd, Tb 94,7b 24,7b 04,8b 214,4b 94'pp 44'PS 04,Eb El4,1b 84,1b 44,1b Z4,1b 3.04,1b Scm 160 140 120 220 200 180 ECG - PR interval

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Table 12c-1 ECG- QRS Interval

Day 4 Day 4	Pre 2hr	80 82	74 76	88 92	96 98	84 80	104 106	102 102		86 74																		
Day 3 D		98	89	98	94	98	108	108	06		86	98	98 70 84															
Day 2		82	84	82	06	88	104	102	82		86	98	98 72 78	98 72 78 98	98 72 78 98 100	98 72 78 98 100	98 72 78 78 98 100 100	98 72 78 78 98 100 110 110	98 72 78 98 98 100 100 110 82	98 72 78 98 98 100 110 82	98 72 78 78 98 100 110 110 82 82	98 72 78 98 98 100 110 110 82 80 80	98 72 78 98 98 100 110 82 90 80 100	98 72 78 98 100 100 110 80 80 100	98 72 78 98 100 110 82 82 80 100 100	98 72 78 98 98 100 110 80 80 80 100 100	98 72 78 78 98 100 110 80 80 80 100 100 100 110	98 72 78 98 100 100 110 80 80 80 100 100 110 110
Day 1		78	80	98	84	98	106	110	80		94	94	94 72 78	94 72 78 92	94 72 78 92 88	94 72 78 92 88 102	94 72 78 92 92 88 102	94 72 78 92 88 102 102 88	94 72 78 92 88 102 102 88	94 72 78 92 88 102 102 88	94 72 78 92 88 102 102 88 88 88	94 72 78 92 88 88 88 88 88 88	94 72 78 92 88 102 102 88 88 88 88 88 88 88	94 72 78 92 88 102 102 88 88 88 88 88 88	94 72 78 92 88 88 88 88 88 88 88 88 100	94 72 78 92 88 88 88 88 88 88 90 100	94 72 78 78 92 88 88 88 88 88 88 90 100 100	94 72 78 92 88 88 88 88 88 88 90 100
Day 1	10hr	78	98	84	92	84	108	108	98		06	06	90 70 76	90 70 76 86	90 90 90 90 90	90 70 76 86 90 102	90 70 76 86 90 102	90 70 76 86 90 102 96 86	90 70 76 86 90 102 102 86 86	90 70 76 86 90 102 96 96 86 88	90 70 76 86 90 96 96 86 88 88	90 70 76 86 86 86 88 88 88 90 90	90 70 76 86 90 102 96 86 86 88 88 78 78	90 70 76 86 90 96 96 88 88 78 90 100	90 70 76 86 86 86 86 86 90 100 100	90 70 76 86 86 86 86 86 90 100 100 100 88 88 88 88 88 88 88 86 86 86 86 86 86	90 70 76 86 86 86 88 88 90 90 100 100	90 70 76 86 86 90 90 100 100 100 100 100
Day 1	8hr	80	82	98	06	98	106	110	70		94	94	94 68 84	94 68 84 84	94 68 84 84 88	94 68 84 84 88 110	94 68 84 84 84 110	94 68 84 88 110 110 88 88	94 68 84 84 88 88 88 88 88 88	94 68 84 88 88 88 88 88 88	94 68 84 88 88 88 88 86 76	94 68 84 88 88 110 110 102 88 88 86 76 90	94 68 84 88 88 88 88 86 76 76 76	94 68 84 84 88 110 102 88 86 76 90	94 68 84 88 110 110 102 102 102	94 68 84 88 88 88 88 76 76 90 102	94 68 84 88 88 88 88 86 76 90 102 102 102 102 1102 1102 1102 1102	94 68 84 88 110 110 102 88 86 90 90 102 112 110
Day 1	6hr	82	82	84	88	78	110	104	72		98	98	98 72 84	98 72 84 90	98 72 84 90 88	98 72 84 90 88 100	98 72 84 90 90 100 100	98 84 90 88 88 100 100 94	98 84 80 90 100 100 94 96	98 84 90 100 94 90 90 90	98 84 88 88 88 94 90 90 90 96 84	98 84 90 90 90 90 90 90 88	98 84 90 90 90 90 90 90 88 84 88 84 88	98 84 86 90 90 90 90 90 96 96 96 96 96 96 96 97	98 84 88 88 88 90 90 90 90 90 90 100 100	98 84 90 90 90 90 90 90 90 90 90 90 90 90 90	98 84 90 90 90 90 90 90 90 90 90 90 90 90 90	98 84 90 90 90 90 90 90 90 90 90 90
Day 1	4hr	80	98	98	06	98	108	98	78		94	94	94 72 84	94 72 84 84	94 72 84 90 92	94 72 84 90 92 90	94 84 80 90 90 104	94 84 90 90 90 90 104 84	94 84 90 90 90 104 84 84	94 90 90 90 90 104 104 88	94 90 90 90 96 86 84 84 84 86	94 84 86 86 86 88 98 98 98 98 98	94 90 90 90 90 90 90 90 90 90 90 90 90 90	94 90 90 90 90 96 86 86 86 86 98	94 90 90 90 90 90 90 90 90 90 90 90 90 90	94 104 104 104 104 104 104 104 104 104 10	90 90 90 90 90 90 90 90 90 90 90 90 90 9	94 90 90 90 90 90 90 90 90 90 90
Day 1	3hr	80	72	98	82	84	108	104	74			70	70	70 86 88	70 86 88 90	70 86 88 90 100	70 86 88 88 90 100	70 86 88 90 100 100	70 86 88 90 100 100 100 84 96	70 86 88 88 90 100 100 84 96	70 86 88 88 90 100 100 84 96 96 84	90 100 100 100 100 100 84 84 84 96 96 96 96	70 86 88 88 90 100 100 100 84 96 96 96 96 97 100	70 86 88 88 90 100 100 100 84 96 96 96 96 97 102	70 86 88 88 90 100 100 100 84 96 96 96 96 97 102	20 100 100 100 100 100 100 100 1	70 86 88 88 90 100 100 100 84 96 96 96 96 97 102 1102	70 86 88 88 90 100 100 100 100 100 100 100 100 100
Day 1	2hr	82	98	84	06	82	104	100	94		86	98	98 72 78	98 72 78 100	98 72 78 100 94	98 72 78 100 94 98	98 72 78 100 94 98	98 72 78 100 94 98 100 100	98 72 78 100 94 98 100 100 86	98 72 78 100 94 98 100 86 86 94 94	98 72 78 100 94 98 94 96 96 86	98 72 78 100 94 98 98 98 90 90 94 94	98 72 78 100 94 98 96 96 96 97 97 97 97 97	98 72 78 100 94 94 94 94 94 104	98 72 78 100 94 98 94 94 94 104	98 72 78 100 94 98 98 98 90 94 94 104 104	98 72 78 100 94 94 94 94 94 94 94 94 94 94 96 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	98 72 78 100 94 98 94 94 94 94 104 104
Day 1	1hr	82	92	98	06	06	104	108	88		96	96	96 20	96 70 80 94	96 70 80 94 94	96 70 80 94 94 94 102	96 70 80 94 94 102	96 70 80 94 94 102 104 82	96 70 80 94 94 102 104 104 82 94	96 70 80 94 94 94 102 104 104 82 82 86	96 70 80 80 94 104 104 82 82 86 86 86	96 70 80 94 94 102 104 104 82 86 86 86 86 98	96 70 80 94 94 94 94 94 94 94 96 86 86 96 97	96 80 80 94 102 104 82 86 86 86 96 97 104	96 70 80 94 94 94 94 98 98 98 98 98 104 104 104 104 104 104 104 104 104 104	96 70 80 94 94 94 94 94 94 95 96 97 97 97 97 97 97 97 97 97 97 97 97 97	96 70 70 104 104 104 104 104 104 104 104 104 10	96 70 80 94 94 104 104 86 96 97 98 98 98 98 98 98 98 98 98 98
Day 1	.5hr	78	82	98	06	- 98	102	110	98		100	100	100 70 78	100 70 78 100	70 78 78 100 98	100 70 78 100 98 98	70 78 100 98 100 100	100 70 78 100 98 100 104 80	100 70 78 100 100 104 88	100 70 78 100 100 104 104 88 88	100 70 78 100 98 100 104 104 88 88 88	100 78 78 100 100 104 88 88 88 88 88 88 88 88 88	100 70 78 100 100 104 104 108 88 88 88 88 88 88 108	100 70 78 100 98 98 80 104 104 108 108 108	100 70 78 100 98 100 104 88 88 88 88 88 108 104	100 70 78 100 98 100 104 104 104 104 104	100 70 78 100 98 80 104 108 108 108 108 11, msec	100 70 78 100 98 100 104 104 104 104 104 104 104 110 110
Day 1	Pre	98	84	84	84	80	106	106	98		100	100	100 72 80	100 72 80 92	100 72 80 92 84	100 72 80 92 84 100	100 72 80 92 92 84 100	100 72 80 92 92 84 100 104	100 80 84 100 104 88	100 80 92 84 100 104 104 88 88	100 80 82 104 104 104 88 88 82 88	100 80 82 84 100 104 104 88 88 88 88 90 100	100 80 82 84 104 104 106 100 100 100 100 100	100 80 82 84 104 104 88 88 82 88 82 100 100 100	72 70 72 70 80 78 92 100 84 98 100 100 104 104 106 108 100 108 100 108 100 108	100 72 80 80 92 84 104 104 106 107 100 100 100 100 82 88 88 90 90 82 100 100 100 100 100 100 100 10	100 80 92 84 100 104 106 100 100 100 100 100 100 100	100 80 80 92 84 100 100 100 100 100 100 100 100
	Scrn	80	98	98	88	88	106	108	74		100	100	100 74 86	100 74 86 88	100 74 86 88 92	100 74 86 88 92 108	100 74 86 88 88 92 108	100 74 86 88 92 92 108 108	100 74 86 88 88 92 108 102 84	100 74 86 88 92 108 102 84 84	100 74 88 88 92 108 102 84 84 86	100 74 86 88 92 108 102 84 84 86 86	100 74 86 88 92 102 102 84 84 86 92	100 74 86 88 92 102 102 84 84 86 92	100 74 88 88 92 108 108 84 84 86 92 92 96	100 74 86 88 92 102 84 84 86 92 92 96 ECG - QR	100 74 88 88 92 102 84 84 84 86 92 92 96 96	100 74 86 88 92 108 102 84 84 84 86 92 92 96 96 96
	Subj	10	02	03	04	05	90	07	90		60	10	10 10	11 12	09 10 11 13	11 12 13 14	11 11 12 15 15 15 15 15 15 15 15 15 15 15 15 15	11 11 12 15 16 16	10 11 13 14 15 17	10 10 11 12 12 14 15 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	10 11 12 13 14 16 16	10 11 11 13 14 15 16 17 18 19	10 11 12 13 14 15 16 17 18 19 20	10 11 12 13 14 16 19 19 20 20	10 10 12 13 14 15 16 17 18 19 20 20 21 Summary	10 11 12 14 15 16 17 19 20 21 21 21 21 21 21 24	10 10 12 13 14 15 16 19 20 20 21 21 Average Std Dev	09 10 11 12 13 14 15 16 17 19 20 20 21 21 Summary Average Std Dev

				-		 1			₁		т			·;			,	,	·			 -	,	 				
Day 10	Pre		84	72	80	.92	78	110	106	82	100	74	84	90	96	92	104	88		102	92	102	102		95	17	110	72
Day 9	Pre		80	80	82	84	82	106	110	84	106	74	9/	88	98	88	104	88	-	94	84	102	108		91	12	110	74
Day 8	Pre		84	64	84	92	82	106	98	02	100	74	9/	98	94	65	104	88		94	85	108	108		91	11	108	0.2
Day 7	12hr		84	98	98	78	88	110	108	84	86	74	84	100	98	100	104	80		06	80	82	104		06	11	110	74
Day 7	8hr		96	98	84	90	74	106	110	80	94	74	80	88	88	06	86	99		98	98	96	100		89	11	110	99
Day 7	6hr	٠	80	98	98	94	84	108	114	84	96	72	82	96	98	100	100	98		86	82	94	102		92	10	114	72
Day 7	4hr		80	82	88	92	98	104	110	06	94	74	9/	98	88	06	86	88		98	84	92	98		68	60	110	74
Day 7	2hr		82	9/	84	06	98	108	110	98	96	74	78	88	88	104	102	88		06		94	102		91	7	110	74
Day 7	Pre		78	74	98	06	78	110	110	98	100	74	78	100	94	88	86	06		06	80	100	104		06	11	110	74
Day 6	Pre		82	84	78	96	98	110	96	98	100	74	84	06	88	100	102	94		92	70	104	100		91	10	110	70
Day 5	PRE		82	89	. 84	92	78	110	98	84	98	9/	84	92	92	102	96	98		92	98	102	100		06	9	110	89
Day 4	12hr		82	72	8	92	82	108	86	9/	06	72	84	06	88	100	100	08		92	78	94	86		88	10	108	72
Day 4	8hr		80	74	6	92	80	106	104	84	94	9/	84	98	88	100	100	98		06	74	104	96		68	10	106	74
Day 4	6hr		80	1	06	92	82	106	100	98	94	72	82	06	96	94	102	84		98	9/	94	86		88	10	106	70
Day 4	4hr		82	78	6	96	74	106	102	06	96	74	80	100	88	100	104	98		88	78	94	100		06	10	106	74
	Subj	•	10	02	03	04	05	90	20	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary	Average	Std Dev	Max	Min

Table 12c-3 ECG- QRS Interval

	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18					
Subj	Pre	Pre.	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre
2	84	84	88	84	86	98	86	96	98	84	82	98	84
02	82	72	98	82	98	98	98	98	88	78	86	20	82
03	9/	84	84	98	84	78	84	98	98	80	78	78	84
04	92	82	06	80	80	92	92	80	80	9/	92	98	90
05	88	78	78	70	82	9/	80	9/	92	80	74	78	95
90	106	106	106	100	104	104	106	102	108	104	106	106	108
07	106	86	94	106	108	108	108	112	110	106	106	106	96
80											-		
60	100	102	102	102	96	06	92	96	96	86	86	86	104
10	74	74	74	76	9.2	9/	74	74	74	74	74	74	74
11	78	74	84	82	84	82	82	78	9/	82	84	84	82
12	94	88	96	92	96	96	94	92	76	92	94	102	92
13	. 86	96	92	102	86	92	94	98	94	96	98	94	96
14	100	92	100	90	100	06	102	98	102	84	102	92	102
15	104	104	106	102	100	106	104	102	108	102	106	104	102
16	88	06	.84	906	6	06	98	88	84	88	84	88	86
17			-										
18	92	06	95	94	92	92	98	98	06	94	94	94	06
19	86	84	74	72						9/	80	74	98
20	108	78	80	102	82	98	86	102	88	06	78	100	94
21	98	102	86	100	102	100	98	98	96	100	104	106	102
Summary													
Average	92	88	96	90	91	91	92	91	06	89	91	91	92
Std Dev	1	11	10	11	60	10	10	10	12	10	11	12	60
Max	108	106	106	106	108	108	108	112	110	106	106	106	108
Į.	74	72	74	20	76	92	74	74	74	74	74	70	74

	Day 19	Day 20	Day 21	Day 22	Day 25	Day 29	Day 32	Day 36					
Subj	Pre	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre	Pre
10	9/	84	82	82	98	84	84	82	84	80	88	84	84
02	70	84	88	72	82	92	98	84	88	20	80		90
03	80	84	82	06	82	06	82	82	82	82	88	98	86
40	06	88	06	06	92	82	96	86	80	06	90	90	88
05	98	78	78	76	74	74	9/	92	80	80			
90	106	108	106	106	110	106	104	108	106	104	106	108	106
07	98	100	96	98	102	96	102	100	106	104	106	110	106
80													
60	102	102	96	98	96	98	96	06	98	100	94	96	102
10	74	72	74	72	72	74	72	7.5	72	72	74	74	74
7-	84	84	98	82	80	80	80	74	80	98	9/	98	
12	88	96	. 82	96	88	84	06	06	06	82	98	94	88
13	94	100	102	84	98	98	88	98	94	88	104	92	96
41	06	100	88	100	92	100	92	84	92	86	06	106	100
15	104	106	102	104	102	100	102	100	106	104	102	100	104
16	88	06	98	84	88	84	82	88	98	84	98	92	84
17													
18	92	92	92	94	96	98	88	94	94	06	84	94	
19	84	96	9/	74	80	80	72	80	74	88	76	80	88
20	102	96	9/	102	96	96	92	92	80	94	94	90	98
21	108	106	100	104	100	100	100	100	102	102	102	106	06
: ! ! !				:									
Summary													
Average	90	93	83	06	68	89	68	88	89	89	90	93	92
Std Dev	11	10	10	11	10	60	10	10	11	11	10	10	60
Max ·	108	108	106	106	110	106	104	108	106	104	106	110	106
Min	70	72	74	72	72	74	72	72	72	70	74	74	74

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	Day 39	Day 42	Day 42	Day 42	Day 45	Day 42	Day 45	Day 42	Day 42	Day 45	Day 42	Day 43	Day 44
Subj	Pre	Pre	.5hr	1hr	2hr	3hr	4hr	6hr	, 8hr	10hr	12hr	AM	AM
10	82	94	94	88	78	82	80	82	84	· 80	84	100	86
02	06												
03	84	98	84	82	98	82	84	94	82	98	84	84	92
04													
05													
90	108	106	104	106	106	106	104	112	112	. 112	114	108	108
07	110	112	112	112	114	114	116	114	110	116	112	112	
90			:	:	<u> </u>								
60	86	100	06	86	96	92	96	98	94	96	86	102	94
10	74	72	74	72	.82	72	74	72	70	74	7.5	74	74.
11	84	84	84	84	78	84	9/	98	98	82	78	9/	9/
12	96	88	06	98	88	92	92	98	98	92	88	92	96
13	86	96	108	100	06	94	94	100	100	88	06	92	94
14	84												
15	104	100	96	100	106	104	108	100	104	96	104	108	102.
16	84	06	88	78	98	74	82	84	78	98	80	84	. 84
17												,	•
18		94	95	06	94	94	94	84	90	88	84	65	98
19	78	80	72	80	72	82	82	74	78	74	74	78	80
20	96	84	98	80	98	98	98	98	84	82	98	84	86
21	96	108	106	106	106	102	108	104	106	106	104	104	106
:				,									
Summary													
Average	92	93	92	91	91	91	91	91	91	91	90	93	91
Std Dev	11	11	12	12	12	12	13	13	13	13	13	12	11
Max ·	110	112	112	112	114	114	116	114	112	116	114	112	108
Min	74	72	72	72	72	72	74	72	70	7.4	72	74	74

Table 12c-6 ECG- QRS Interval

Blank = Not Obtained

	Day 45	Day 48	Day 51	Day 54	Day 57	Day 72	Day 180
Subj	AM	AM	AM	AM	AM	ΑМ	AM
0.1	92	80	84	84	98	98	84
02							
03	94	80	82	80	86		98
04							
05							
90	110	114	110	112	106	110	104
07	108	108	112	108	106	108	108
80							
60		94	102	94	96	94	90
10		9/	74	72			
11	84		-				
12	92	98	. 88	- 98	88	88	06
13	95	06	06	88	88	96	94
14			,				
15	104	104	102	98	100	102	104
16						84	84
17			1				
18	92		94	92	94	98	
19	76	78	80	74	74	82	
20	96	102	90	96	108	82	
21	108	106	110	96	104		
Summary							
Average	96	93	94	91	92	94	94
Std Dev	10	13	12	12	11	10	60
Max .	110	114	112	112	108	110	108
Min	9/	9/	74	72	74	82	84

04,27b 04'19P 04,84b 04'bb 42,h12 84,246 442,64 442,h2 3.04,S4b 04'6EP Figure 53: SD & Range Charts for ECG - QRS Interval, msec 932,60 425,h0 211,1Sb 94,156 Z4,1Sb 04,0Sb 04,816 04,81b 414,512 94'419 ZU'tIP 04,81b 04,11b 04'6P 214,7b 94,7b ZH, Tb 04,8b 214,4b 94,4b 24,4b 04,6b Erd, tb 84,15 tu, fb 24,1b 3.04,1b Scrn 100 09 70 90 8 ECG - QRS interval, msec

Day and Hour of Protocol

_		1	<u> </u>				<u> </u>				ı —	i	ī	1	1		i	T	1		1	•	ι	г —					
Day 4	2hr		386	413	407	423	397	348	388	372	384	413	425	363	395	412	416	395		412	404	422	422	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		400	21	425	348
Day 4	Pre		389	393	392	411	403	352	410	377	416	404	435	360	377	408	381	399		416	410	397	418			397	20	435	352
Day 3	Pre		392	408	393	401	383	348	391	384	393	404	444	390	373	403	405	382		411	422	383	409			396	20	444	348
Day 2	Pre		381	399	388	388	388	341	388	383	368	377	423	379	391	420	399	392		409	402	438	408			393	21	438	341
Day 1	12hr		391	414	384	397	404	358	406	383	391	400	416	364	389	426	388	400		402	404	402	409			396	16	426	358
Day 1	_10hr		402	411	392	389	404	386	396	379	381	406	415	378	389	419	388	400		409	405	392	408			397	12	419	378
Day 1	8hr		393	442	406	396	383	353	368	383	391	396	414	389	393	426	392	374		403	402	398	406			395	19	442	353
Day 1	6hr		396	382	403	395	387	345	364	401	401	395	414	367	392	385	397	394	346	402	402	398	405			389	19	414	345
Day 1	4hr		407	410	401	395	373	363	408	371	386	399	474	396	390	688	395	400	359	403	418	402	423			398	24	474	359
Day 1	3hr		371	419	412	398	372	369	409	366		409	455	399	394	416	374	400	346	403	404	402	409			396	24	455	346
Day 1	2hr		384	387	410	376	407	347	420	380	359	402	409	387	390	421	395	390	349	409	389	404	408			392	21	421	347
Day 1	1hr		403	405	375	373	394	356	403	380	375	400	414	399	395	668	349	393	341	400	366	415	412			388	21	415	341
Day 1	.5hr		397	409	379	688	376	368	378	371	374	392	421	376	397	406	388	396	409	394	377	392	403		, msec	390	14	421	368
Day 1	Pre		399	404	402	383	390	382	398	372	395	398	412	384	383	403	401	380	360	403	395	422	406		Interval	394	14	422	360
	Scrn		397	413	380	406	372	385	412	383	379	400	418	394	394	408	389	399	409	417	418		401		ECG - QTc Interval, msec	399	14	418	372
	Subj		. 01	02	03	04	05	90	07	90	60	10	11	12	13	14	15	16	17	18	19	20	21		Summary	Average	Std Dev	Max	Min

	7.70	7 7 7	A 1100	Day 4	Day 6	Day 6	Day 7	Day 8	Day 9	Day 10					
Subj	4hr	6hr	8hr	12hr	PRE	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre
10	398	409	382	399	375	393	369	411	402	399	389	403	405	398	403
02	408	417	413	413	406	412	409	401	408	419	207	420	425	419	406
03	406	400	404	402	380	390	401	414	403	404	404	407	401	383	404
04	398	398	417	404	399	411	406	398	402	396	400	402	868	400	398
05	381	410	402	391	382	415	411	374	395	399	369	413	400	389	396
90	379	371	385	385	349	357	391	355	374	388	387	382	390	356	364
07	423	414	413	417	403	410	414	398	435	419	411	453	418	418	414
90	388	404	382	407	385	385	387	398	409	394	398	384	402	417	390
60	403	391	385	409	384	397	372	358	389	407	396	406	399	428	411
10	412	405	412	414	412	409	410	419	405	399	418	406	414	414	438
11	437	416	448	439	439	444	421	434	424	429	437	410	424	423	430
12	391	393	382	361	396	356	382	399	391	394	378	392	394	400	403
13	394	402	380	394	384	409	407	403	396	374	401	399	411	394	396
14	410	403	407	398	404	419	412	413	416	412	420	420	413	413	424
15	396	383	401	381	388	404	398	383	395	365	394	371	397	396	401
16	396	399	401	401	403	404	405	404	401	400	399	407	406	405	400
17															
18	413	441	411	415	422	415	421	410	438	435	422	421	418	451	422
19	409	410	418	404	404	404	403		403	413	421	408	403	409	406
20	404	403	413	416	378	411	407	411	413	408	400	405	411	407	413
21	404	420	402	406	411	404	417	411	420	408	421	426	409	416	407
						:									
Summary															
Average	403	404	403	403	362	402	402	400	406	403	409	407	407	407	406
Std Dev	14	15	17	16	20	20	15	20	15	17	28	18	10	19	16
Max	437	441	448	439	439	444	421	434	438	435	202	453	425	451	438
Min	379	371	380	361	349	356	369	355	374	365	369	371	390	356	364

	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18					
Subj	Pre	Pre	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	
10	389	389	404	396	404	404	402	406	404	372	293	385	401
02	428	433	418	413	464	416	450	422	452	434	422	411	428
03	405	402	388	405	402	382	403	403	408	386	410	399	410
04	401	400	400	401	402	398	404	399	402	399	402	396	403
05	405	403	416	417	395	396	409	370	401	391	387	394	416
90	360	359	359	346	350	382	374	389	381	377	387	369	388
07	401	423	412	408	407	446	440	485	424	408	418	403	411
80													
60	391	413	423	398	412	406	393	411	417	383	407	403	416
10	420	418	406	402	406	442	439	450	420	414	426	411	431
11	427	412	407	438	409	447	436	439	452	448	446	424	437
12	404	401	401	394	392	375	401	391	968	395	399	369	397
13	379	403	391	389	398	408	371	438	410	403	407	395	417
14	428	421	418	413	419	413	413	405	417	407	412	422	401
15	404	388	401	396	398	430	410	409	398	400	385	375	403
16	408	397	411	402	416	403	404	403	400	399	402	412	396
17													
18	416	419	440	430	425	428	425	420	428	426	437	424	431
19	407	408	393	416						403	339	415	405
20	409	425	415	411	405	410	410	426	424	409	417	411	41.
21	416	419	409	400	411	406	416	403	410	415	419	405	412
Summary													
Average	405	407	406	404	406	411	411	415	414	404	409	401	411
Std Dev	17.	17	17	19	21	21	21	56	18	19	17	17	13
Max	428	433	440	438	464	447	450	485	452	448	446	424	437
Min	360	359	359	346	350	375	371	370	381	372	385	369	388

Table 12d-4 ECG-QTc Interval

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	Day 19	Day 20	Day 21	Day 22	Day 25	Day 29	Day 32	Day 36					
Subj	Pre	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre	Pre
	427	404	400	396	409	400	421	402	423	416	450	449	407
02	434	432	428	393	419	466	505	450	455	462	432	479	441
03	408	389	409	387	390	409	406	418	404	405	408	412	389
04	399	402	402	402	409	406	411	408	427	420	414	404	402
05	407	400	390	385	403	380	415	389	395	395			
90	380	368	360	394	393	389	391	388	382	396	390	394	370
70	420	412	440	432	423	420	432	431	424	481	440	456	405
80													
60	374	421	368	427	.427	440	433	416	438	438	410	409	432
10	440	420	415	403	. 433	451	429	446	416	405	432	414	377
11	431	458	451	454	441	450	483	438	440	474	441	438	
12	393	390	382	390	400	395	393	399	393	402	401	406	405
13	389	374	377	393	405	395	399	398	394	420	420	412	409
14	422	421	421	415	413	420	414	421	416	444	450	430	448
15	409	397	392	401	435	416	409	403	394	423	418	402	407
16	403	411	404	391	421	414	410	411	400	420	426	434	424
17													
18	452	432	426	414	437	446	428	428	431	450	426	453	
19	411	408	396	404	407	405	405	405	410	408	411	442	420
20	402	409	410	411	417	417	432	416	424	415	448	426	427
21	426	413	411	406	407	268	407	429	409	409	413	415	417
					-								
Summary													
Average	412	408	404	405	415	417	422	416	414	425	424	426	411
Std Dev	21	21	24	17	15	54	29	18	19	26	17	23	21
Max	452	458	. 451	454	441	466	505	450	455	481	450	479	448
Min	374	368	360	385	390	380	391	388	382	395	390	394	370

Table 12d-5 ECG-QTc Interval

											3	9,	77
Subj	Day 39 Pre	Day 42 Pre	Day 42 .5hr	Day 42 1hr	Day 42 2hr	Day 42 3hr	Day 42 4hr	Day 42 6hr	Day 42 8hr	Day 42 10hr	Day 42 12hr	Day 43 AM	Day 44
10	403	407	405	406	405	456	397	369	425	398	406	407	412
02	427												
03	385	401	387	385	403	377	353	376	385	376	395	401	401
04	! 												
05				! !								٠	
90	385	371	376	364	361	345	394	354	362	343	352	382	352
07	453	424	427	428	423	420	416	419	421	430	417	364	442
80													
60	419	415	470	387	391	417	413	413	419	424	420	418	413
10	414	413	373	392	.379	445	436	411	410	419	418	430	415
17	452	473	434	418	451	491	476	478	471	425	450	434	427
12	408	404	408	378	398	405	405	353	698	399	404	391	411
13	409	383	408	415	411	374	390	375	375	383	395	396	422
14	438												
15	404	406	393	410	392	414	389	408	404	402	420	415	401
16	427	438	420	407	403	433	408	416	414	410	415	419	422
17													
18		475	462	456	434	464	454	420	415	426	428	423	445
19	401	440	409	398	405	416	406	403	410	403	410	406	398
20	421	438	437	425	428	442	442	435	420	416	425	414	411
21	416	415	407	411	413	420	407	405	403	408	411	401	411
Summary			,										
Average	416	420	414	405	406	421	412	402	407	404	411	407	412
Std Dev	20	29	28	23	22	37	30	33	27	23	21	19	21
Max	453	475	470	456	451	491	476	478	471	430	450	434	445
Min	385	371	373	364	361	345	353	353	362	343	352	364	352

Subj AM A			Day 45	Day 48	Day 51	Day 54	Day 57	Day 72	Day 180
01 396 385 386 398 410 02 02 404 403 404 385 398 410 03 404 403 404 385 387 401 04 404 403 404 385 387 401 05 337 384 389 388 385 375 06 337 428 444 428 424 401 07 432 428 448 424 428 424 428 10 406 411 404 404 402 412 412 11 463 403 369 347 383 360 11 403 406 414 404 406 416 14 440 424 410 468 411 446 10 393 406 414 407 382 409 20	D	Subj	AM	AM	AM	AM	ΑМ	ΑМ	AM
01 396 385 383 396 410 02 404 403 404 385 397 401 03 404 403 404 385 387 401 05 337 384 389 388 385 375 06 337 428 444 428 424 401 08 404 454 484 424 424 424 09 404 463 404 404 412 412 11 463 406 414 404 405 412 14 403 406 398 416 416 416 15 395 399 347 383 432 409 16 440 424 416 401 403 20 411 414 407 382 409 21 422 434 410 404 40	ec.								
02 404 403 404 385 397 401 04 403 404 385 387 401 05 337 384 389 388 385 375 06 337 384 444 428 424 424 07 432 428 444 428 424 424 09 404 404 454 384 387 367 10 406 411 404 406 412 412 11 463 40 404 404 406 412 412 11 463 40 404 404 406 412 412 14 401 404 404 406 412 416 416 15 393 406 415 401 403 406 416 416 20 411 424 410 468 411 4	17	10	396	385	383	396	398	410	397
03 404 403 404 385 397 401 04 03 384 389 388 385 375 06 337 384 389 388 375 08 428 444 428 424 09 404 454 384 357 10 406 411 404 412 11 463 406 411 404 412 12 394 403 406 389 415 360 13 421 408 404 404 406 412 14 395 389 347 383 436 15 395 389 347 383 436 16 40 416 404 406 416 18 440 416 416 409 409 20 411 414 407 409 409	100	02							
04 04 60 60 60 60 337 384 389 388 385 375 60 60 60 375 60 70	0.0	03	404	403	404	385	397	401	406
05 384 389 388 385 375 06 337 384 389 388 385 375 08 402 424 428 424 575 09 404 454 384 433 367 10 406 411 404 403 367 11 463 406 411 404 406 412 13 421 404 404 406 412 416 14 395 389 347 383 432 15 395 347 383 432 16 404 404 406 416 416 17 440 424 410 416 416 19 393 406 414 407 382 409 20 411 424 410 424 401 446 21 422 434 410 </th <th>·</th> <th>04</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	·	04							
06 337 384 389 386 385 375 07 432 428 444 428 424 75 08 404 454 384 424 75 10 406 411 404 433 367 11 463 406 411 404 403 367 12 394 403 406 398 415 360 13 421 408 404 406 412 14 395 389 347 383 436 15 393 406 414 406 416 416 17 440 407 382 409 416 19 393 406 414 407 382 409 20 411 468 411 446 409 21 422 434 410 468 411 446 20 <th></th> <th>05</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		05							
07 432 428 444 428 424 08 404 454 384 433 367 10 406 411 404 453 367 11 463 406 411 404 403 367 360 12 394 403 406 398 415 360 412 13 421 408 404 404 406 412 412 14 421 404 404 406 412 412 412 15 395 389 347 383 432 436 16 40 404 404 406 416 416 416 17 440 424 419 416 416 416 416 20 411 407 382 409 416 403 416 10 403 406 412 410 466		90	337	384	389	388	385	375	402
08 404 454 384 433 367 10 406 411 404 453 367 11 463 406 411 404 415 360 12 394 403 406 398 415 360 13 421 408 404 404 406 412 14 421 408 399 347 383 436 15 395 389 347 383 436 17 440 424 419 415 401 403 19 393 406 415 367 401 403 20 411 412 407 382 409 21 422 412 400 404 403 21 422 412 400 404 403 22 409 405 412 400 404 403 23 434 454 468 433 446 24 454 <		07	432	428	444	428	424		424
09 404 454 384 433 367 10 406 411 404 433 367 11 463 406 404 404 415 360 12 394 403 406 398 415 360 412 13 421 408 404 404 406 412 412 14 400 424 419 415 416 416 15 393 406 415 407 382 409 20 411 412 414 407 382 409 21 422 414 407 382 409 21 422 414 407 382 409 21 422 414 407 382 409 21 422 414 407 382 409 22 411 424 400 404 403 23 423 434 454 468 411 403		80							
10 406 411 404 ————————————————————————————————————		60		404	454	384	433	367	388
11 463 406 398 415 360 12 394 403 406 398 415 360 13 421 408 404 404 406 412 14 395 389 347 383 432 15 395 389 347 383 432 16 40 424 419 415 401 403 19 393 406 415 367 401 403 20 411 407 382 409 21 422 410 468 411 446 21 422 410 468 411 446 21 422 410 468 411 446 21 422 410 468 411 446 21 422 412 407 382 409 22 20 29 16 25 23 434 454 468 433 446 33		10		406	411	404			
12 394 403 406 398 415 360 13 421 408 404 404 406 412 14 395 389 347 383 432 16 420 347 383 432 16 440 424 419 415 416 19 393 406 415 367 401 403 20 411 412 414 407 382 409 21 422 434 410 468 411 446 21 422 434 410 468 411 446 21 422 434 410 468 411 446 32 409 405 412 400 404 403 32 463 454 468 433 446 463 454 468 433 446 463 454		11	463						
13 421 408 404 404 406 412 14 15 389 347 383 432 15 385 389 347 383 432 16 17 40 424 419 415 416 19 393 406 415 401 403 409 20 411 412 414 407 382 409 403 21 422 434 410 468 411 446 403 1mary 409 405 412 400 404 403 Dev 31 15 20 29 16 25 1mary 463 454 468 433 446 1mary 337 384 383 347 382 360		12	394	403	406	398	415	360	411
14 395 389 347 383 432 15 395 389 347 383 432 16 46 424 419 415 416 17 440 424 419 415 401 403 20 411 412 414 407 382 409 21 422 434 410 468 411 446 21 422 434 410 468 411 446 21 422 434 410 468 411 446 1mary 15 20 29 16 25 Dev 31 15 20 29 16 25 16 463 468 433 446 468 17 468 433 446 468 18 454 458 433 446 468 18 453 488 433 446 468 18 453 488 433 446 </td <th></th> <th>13</th> <td>421</td> <td>408</td> <td>404</td> <td>404</td> <td>406</td> <td>412</td> <td>394</td>		13	421	408	404	404	406	412	394
15 395 389 347 383 432 16 46 424 419 415 416 17 440 424 419 415 416 19 393 406 415 367 401 403 20 411 412 414 407 382 409 21 422 434 410 468 411 446 21 422 434 412 400 404 403 mary rage 405 412 400 404 403 Dev 31 15 20 29 16 25 C 463 454 468 433 446 C 463 433 446 466 S 463 454 468 433 446 C 463 433 446 460 C 463 433 446		14							
16 424 419 415 416 416 416 416 416 416 416 416 416 416 416 416 416 416 416 403 403 409 409 409 409 409 409 409 401 403 404 403 403 404 403 403 404 403 403 404 403 403 404 403 403 404 403 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 403 404 404 403 40		15	395	389	399	347	383	432	397
17 424 424 419 415 416 19 393 406 415 367 401 403 20 411 412 414 407 382 409 21 422 434 410 468 411 446 1mary 409 405 412 400 404 403 Dev 31 15 20 29 16 25 7 463 454 468 433 446 83 434 454 468 433 446		16						399	416
18 440 424 419 415 419 415 416 19 393 406 415 367 401 403 20 411 412 407 382 409 409 21 422 434 410 468 411 446 nmary 409 405 412 400 404 403 rage 409 405 412 400 404 403 c 463 454 468 433 446 c 463 454 468 433 446 c 463 387 382 360		17							
19 393 406 415 367 401 403 20 411 412 414 407 382 409 21 422 434 410 468 411 446 nmary 409 405 412 400 404 403 rage 409 405 412 400 404 403 Dev 31 15 20 29 16 25 337 384 383 347 382 360		18	440		424	419	415	416	
20 411 412 414 407 382 409 21 422 434 410 468 411 446 Imary 1mary 405 412 400 404 403 rage 409 405 412 400 404 403 Dev 31 15 20 29 16 25 C 463 454 468 433 446 C 337 384 383 347 382 360		19	393	406	415	298	401	403	
21 422 434 410 468 411 446 nmary nmary 405 412 400 404 403 Dev 31 15 20 29 16 25 7 463 454 468 433 446 83 337 384 383 347 382 360		20	411	412	414	407	382	409	
Imary 409 405 412 400 404 403 Dev 31 15 20 29 16 25 C 463 434 454 468 433 446 337 384 383 347 382 360		21	422	434	410	468	411	446	
rage 409 405 412 400 404 403 Dev 31 15 20 29 16 25 C 463 434 454 468 433 446 337 384 383 347 382 360		Cummon							
Dev 31 15 20 29 16 25 6 463 434 454 468 433 446 337 384 383 347 382 360		Average	409	405	412	400	404	403	404
463 434 454 468 433 446 337 384 383 347 382 360		Std Dev	31	15	20	29	16	25	1
337 384 383 347 382		Max	463	434	454	468	433	446	424
		Min	337	384	383	347	382	360	388

972,50 04,46b 04,84b 04,44b 214,54b 84,S4b 44,246 442,52 3.04,24b 04'6ЕР Figure 54: SD & Range Charts for ECG - QTc Interval, msec 432,50 425,h0 214,1Sb 94,1Sb SA,1Sb Day and Hour of Protocol 420,60 04,81b 04,81b 414,612 94,416 74'41P 913,60 04,11b 04'6P 214,7b 94,7b ZA,7b 04'9p 214,4b 94'⊁P 74,4b 04,Eb £14,15 84,1b 44,1b 24,1b 5.04,1b മാട 500 350 300 450 400 ECG - QTc Interval, msec

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Table 13a-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 01

<u>Day</u>	Time	QTc	<u> Halo +</u>	Halo -	Metab +	<u>Metab -</u>
1.	PRE	399				
1	.5HR	397				
1	1HR	403				
1	2HR	384				
1	3HR	371		•		16.4
1	4HR	407	10.9			. 20.9
1	6HR	396	15.1			18.5
1	8HR	3 93	15			27
· 1	10HR ·	402	17.2	10.4		27.7
1	12HR	391	12.9			22.3
2	PRE	381				23.2
3、	PRE	392	10.9			29.5
4	PRE	389	32	•		36.4
4	2HR	386	30.6	22.8		38.4
4	4HR	398	73.2	. 41.7		44.3
4	6HR	409	47.9	37.7	*	84.7
4	8HR	382	38.9	17.1		52.4
4	12HR	399	54.6	30.7		64.7
5	PRE	375	25.9	22.5	17.2	76.2
6	PRE	393	37.9	16.5	20.8	108
7	PRE	369	43.4	18.2	26.1	128
7	2HR	411	55.8	33.7	16.8	74.1
7	4HR	402	93.4	59.3	32.6	153
7	6HR	399	131	73.1	37.2	202
7	8HR	389	144	79.6	74	203
7	12HR	403	101	50.6	56.4	149
8	PRE	405	57.6	27.4	62.7	183
9	PRE	398	77.2	33.1	72.6	221
10	PRE	403	68.9	28	87.8	282
11	PRE	389	50.6	20.4	54.2	227
12	PRE	389	51.3	20.8	45.3	325
13	PRE	404	55.9	25.4	44.1	334
14	PRE	396	58.6	25.5	29.7	311
14	2HR	404	65.6	30.3	22.8	211
14	4HR	404				
14	6HR	402	73.3	37.4	36.4	324
14	8HR	406	68.2	36.2	32.2	318
14	12HR	404	80.8	35	35	260

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Table 13a-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 01

Day	<u>Time</u>	QTc	<u>Halo +</u>	<u>Halo -</u>	Metab +	<u>Metab</u> -
15	PRE	427	68.3	32.8	41.1	409
16	PRE	404	80.6	36.6	32.6	361
17	PRE	400	84.5	37.4	38.8	497
18	PRE	396	92.8	41	59.1	532
19	PRE	409	94.6	51.7	51	435
20	PRE	400	127	70	59.1	496
21	PRE	421	81	40.6	32.2	290
21	2HR	402	96.8	. 51.7	30.5	251
21	4HR	423	52.5	24.4	38.2	295
21	6HR	416	70.5	31.1	54.4	386
21	8HR	450	169	93.7	51.2	335
21、	12HR	449	82.4	35.8	33.6	385
22	PRE		59.2	25.9	49	329
25	PRE	407	54.6	26.7	29.3	289
29	PRE	403	54.4	23.7	30.9	355
32	PRE	407	109	50.2	52.8	484
33	PRE	405	121	55.8	63.5	506
36	PRE	406	112	56	53	468
39	PRE	405	134	68	67	535
42	PRE	456	160	88.2	66.8	687
42	.5HR	397	157	91.4	53.8	565
42	1HR	369	181	106	59.1	576
42	2HR	425	193	110	61.1	538
42	3HR	398	153	93.7	32.6	339
42	4HR	406	168	90.5	77.7	633
42	6HR	407	64	35.2	29.7	224
42	8HR	412	67.9	27.6	39	424
42	10HR	396	46.3	18.8	37.8	508
42	12HR	385	46.7	18.4	15.8	340
43	AM	383	34.9	12.7		255
44	AM	396	29.9	10.4		175
45	AM	398	32.1	12.3		128
48	AM	410	33.8	15.2	27.7	243
51	AM	397				16.4
54	AM					
57	AM					
72	AM	•				
180	AM					

Table 13b-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 02

<u>Day</u>	Time	QTc	Halo +	Halo -	<u>Metab +</u>	<u>Metab</u> -
1	PRE	404				
1	.5HR	409				
1	1HR	405				
1	2HR	387		•		
1	3HR	419				
1	4HR	410				
1	6HR	382	31.5	22.7		
1	8HR	442	25	35.1		
1	10HR	411	29.5	20.1		
1	12HR	414	20.1	12.3		
2	PRE	399	13			
3	PRE	408				
4	PRE	393	30.4	16.5		31.5
4	2HR	413	37.7	37.1		60.6
4	4HR	408	79.1	55.5	19	61.2
4	6HR	417	63.5	38.7		63.6
4	8HR	413	46.4	26.3		34.7
4	12HR	413	33.1	18.1		53
5	PRE	406	26.9	16.6		55.8
6	PRE	412	29.7	16.6		77.7
7	PRE	409	30.3	14.8	18	84.4
7	2HR	401	31.2	19.2	16.8	71.8
7	4HR	408	78.4	53.7	29.7	121
7	6HR	419	72.8	43	17.6	78.1
7	8HR	507	67.9	41.4	23.3	91.8
7	12HR	420	48.6	25.9	29.3	100
8	PRE	425	30.3	15.7	20.2	93.8
9	PRE	419	50.7	27	23.9	101
10	PRE	406	61	27.8	31.1	140
11	PRE	428	64.4	32.7	34.3	174
12	PRE	433	69.7	33.2	36.6	174
13	PRE	418	79.8	43.4	36	194
14	PRE	413	52.8	25	32.9	161
14	2HR	464	75.5	46.7	29.7	160
14	4HR	416	83.9	51.8	36	188
14	6HR	450	107	62.5	39.8	229
14	8HR	422	123	71.9	42.8	232
14	12HR	452	84.2	46	36	201

Table 13b-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 02

						,
<u>Day</u>	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
15	PRE	434	104	59.8	39.4	218
16	PRE	. 432	125	66.4	39.6	219
17	PRE	428	83.1	40.8	33.9	193
18	PRE	393	139	99.5	36.6	209
19	PRE	419	273	240	43.4	263
20	PRE	466	369	298	. 52.3	274
21	PRE	505	319	239	59.7	336
21	2HR	450	263	179	62	372
21	4HR	455	127	75.4	35.6	243
21	6HR	462	108	60.4	53.3	289
21	8HR	432	195	122	48.9	292
21	12HR	479	111	60.6	74.9	432
22`	PRE		65.9	31.2	57.9	431
25	PRE	441	60.8	33.2	60.8	459
29	PRE	427			•	
32	PRE					
33	PRE					
36	PRE					
39	PRE					
42	PRE					
42	.5HR	•	•			
42	1HR					
42	2HR					
42	3HR					
42	4HR			•		
42	6HR					
42	8HR					
42	10HR					
42	12HR					
43	AM			2000		•
44	AM			a resident		
45	AM					
. 48	AM					
51	AM				•	
54	AM					
57	AM ·					

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Table 13c-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 04

Day	Time	QTc	Halo +	<u> Halo -</u>	Metab +	<u>Metab</u> -
1	PRE	383				
1	.5HR	389				
1	1HR	373				
1	2HR	376	16.4	12.6		
1	3HR	398	52.6	37.9		18.6
1	4HR	395	35.1	20.5		20.1
1	6HR	395	71.1	32.8	20.9	46
1	8HR	396	44.5	. 19	18.5	47.1
1	10HR	389	18.9			33.9
1	12HR	397	29.6	10.2		40.7
2	PRE	388	14.6		18	38
3 、	PRE	401	25.6	10.7	20.1	69.5
4 `	PRE	411	79.9	41.8	30.3	96.8
. 4	2HR	423	308	356	62	199
4	4HR	398	348	329	40.5	125
4	6HR	398	446	310	54.8	165
4	8HR	417	292	191	55.3	192
4	12HR	404	246	146	51.5	181
5	PRE	399	107	57.9	65.8	211
6	PRE	411	132	74.4	53.7	234
7	PRE	406	85.6	38.6	52.1	260
7	2HR	398	109	60.3	45.9	242
7	4HR	402	183	107	64.7	314
7	6HR	396	141	72.5	44.6	207
7	8HR	400	111	55.7	32.2	149
7	12HR	402	109	49.7	28.2	134
8	PRE	398	97.9	35	20.1	92.4
9	PRE	400	69.2	30	24.4	138
10	PRE	398	70.6	29.8	26.3	138
11	PRE	401	68.9	30.3	30.3	175
12	PRE	400	73.1	32.2	21.5	135
13	PRE	400	74.5	28.1	23.9	121
14	PRE	401	124	52.7	31.4	200
14	2HR	402	110	50.2	32.5	160
14	4HR	398	205	104	33	174
14	6HR	404	234	119	39.5	193
14	8HR	399	166	79.4	27.9	124
14	12HR	402	117	51.6	22.5	114

Table 13c-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 04

*				•		
<u>Day</u>	Time	QTc	Halo +	Halo -	<u>Metab +</u>	<u>Metab</u> -
15	PRE	399	66.4	28.1	40.8	264
-16	PRE	402	81.4	31.5	46.7	313
17	PRE	402	97.7	38.6	45.4	283
18	PRE	402	137	62.7	67.4	449
19	PRE	409	195	113	41.1	303
20	PRE	406	224	122	45.1	285
21	PRE	411	190	95.4	67.1	368
21	2HR	408	146	. 63.9	57.2	330
21	4HR	427	92.8	36.9	43.8	296
21	6HR	420	84	32.8	59.3	349
21	8HR	414	75.9	28.5	60.4	318
21、	12HR	404	105	40.2	54	411
22`	PRE					
25	PRE	402	59.1	23.5	45.4	259
29	PRE		52.2	19.2	31.4	219 -
32	PRE					
33	PRE					
36	PRE					
39	PRE					
42	PRE					
42	.5HR					
42	1HR					
42	2HR					
42	3HR					
42	4HR					
42	6HR	· .				
42	8HR					
42	10HR					*
42	12HR					
43	AM			J.		
44	AM		٠ س ر	a see and		
45	AM					
48	AM					
51	AM					
54	AM					
57	AM					
72	AM					

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Table 13d-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 05

<u>Day</u>	<u>Time</u>	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
1	PRE	390				
1 .	.5HR	376				
1	1HR	394	11.4	10.7		
1	2HR	407	19.9	17.2		
1	3HR	372	19.5	15.1		15
1	4HR	373	15.1	•		15
1	6HR	387	34.7	18.6		29.3
1	8HR	383	20.3	10.3		18.7
1	10HR	404	37.4	16.3		47.3
1	12HR	404	14.5			18.4
2	PRE	388				29.3
3、	PRE	383	14.3			54.2
4	PRE	403	20.1	13.1		46.4
4	2HR	397	22.2	15.1		40.5
4	4HR	381	78.6	44.2		88
4	6HR	410	50.2	27		70
. 4	8HR	402	67.3	32.6	22.4	98.6
4	12HR	391	52.6	25.5	20.7	97
5	PRE	382	26.7	11.7	28.8	118
6	PRE	415	26.1		16.2	100
7	PRE	411	27.2	11.2	17.9	136
7	2HR	374	19.4	11.4	15.6	79.3
7	4HR	395	43.3	23.9	26	175
7	6HR	399	58.7	31.8	26	199
7	8HR	369	37.8	18.6	18.7	139
7	12HR	413	31.9	14.8		83
8	PRE	400	28.4	12.3	17.9	131
9	PRE	389	33	15.4	27.4	179
10	PRE	396	35.8	14	23.2	155
11	PRE	405	27.8	11.4	22.1	161
12	PRE	403	34.8	14.9	19.8	186
13	PRE	416	35.3	16	26.6	283
14	PRE	417	51.6	26.9	32.2	304
14	2HR	395	56.4	35.1	19.8	192
14	4HR	396	116	66.5	55.4	453
14	6HR	409	74	41.3	36.1	274
14	8HR	370	67.4	35.2	29.4	235
14	12HR	401	46.4	23	29.1	198

Table 13d-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 05

Day	Time	QTc	<u>Halo +</u>	Halo -	Metab +	<u> Metab -</u>
15	PRE	407	50	23.1	29.1	297
16	PRE	400	39.4	18.2	30.5	331
17	PRE	390	40.5	19	39.7	340
18	PRE	385	75.1	46.2	31.9	333
19	PRE	403	79.3	41.9	32.2	312
20	PRE	380	95.3	55.1	48.4	438
21	PRE	415	62.2	32.9	31.9	260
21	2HR	389	54.3	28.7	47.3	401
21	4HR	395	35.9	16.8	24.9	246
21	6HR	395	31.3	14.8	29.4	32.1
21	8HR					
21、	12HR					
22	PRE		,			
25	PRE		/			
29	PRE					
32	PRE					
33	PRE					
36	PRE		•			
39	PRE					
42	PRE					
42	.5HR					
42	1HR				•	
42	2HR					
42	3HR					
42	4HR					
42	6HR	• •				
42	8HR					
42	10HR					
42	12HR					
43	AM					
44	AM		14.2	• •		20.9
45	AM		and the second			
48	AM					
51	AM					
54	AM					
57	AM					•
72	AM					
180	AM					

Table 13e-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 07

Day	Time	QTc	Halo +	Halo -	Metab +	<u> Metab -</u>
1	PRE	398				
1	.5HR	378		•		
1	1HR	403			•	
1	2HR	420	10.8			
1	3HR	409	14.9	10.6		
1	4HR	408	28.4	18.7		15.8
1	6HR	364	23.3	15.6	•	15.8
1	8HR	368	23.5	15.6		17.6
1 .	10HR	396	20.9	14.1		18.3
1	12HR	406	17.5	12.5		
2	PRE	388	10.3	10.6		
3、	PRE	391	50.8	36.6		38.9
4	PRE	410	75.4	48.3	22.6	71.8
4	2HR	388	342	326	34.6	92.8
4	4HR	423	572	570		110
4	6HR	414	456	343	50.3	135
4	· 8HR	· 413	290	223	40.2	131
4	12HR	417	235	158	39.3	101
5	PRE	403	88.4	56.5	22.9	93.8
6	PRE	410	73.3	 45	31.7	132
7	PRE	414	149	85.6	80.9	211
7	2HR	398	186	128	40.9	202
7	4HR	435	184	127	28.6	106
7	6HR	419	227	152	40.6	150
7	8HR	411	229	152	42.8	135
7	12HR	453	180	117	42.4	138
.8	PRE	418	108	67.3	24.8	113
9	PRE	418	89.1	56	21.3	102
10	PRE	414	105	58.8	27	132
11	PRE	401	121	71.5	33.9	138
12	PRE	423	112	63.8	25.7	123
13	PRE	412	145	74.5	27.9	128
14	PRE	408	142	75.9	27.9	174
14	2HR	407	142	84.8	27	163
14	4HR	446	265	161	32	138
14	6HR	440	264	154	41.5	180
14	8HR	485	213	115	33	143
14	12HR	424	· 232	124	43.7	187

Table 13e-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 07

<u>Day</u>	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u> Metab -</u>
15	PRE	420	150	72.4	32.7	166
16	PRE	412	160	79	36.1	174
17	PRE	440	226	110	54.8	257
18	PRE	432	272	.156	52.5	246
19	PRE	423	292	152	61.7	279
20	PRE	420	312	171	62	260
21	PRE	432	258	130	48.4	211
21	2HR	431	250	121	50.3	212
21	4HR	424	170	80.8	· 41.8	205
21	6HR	481	162	73.2	42.4	184
21	8HR	440	123	57	38.7	177
· 21 v	12HR	456	155	78	51.6	297
22	PRE		93.9	55.7	34.9	189
25	PRE	405	116	60.2	47.5	267
29	PRE	453	206	97.6	61.1	312
32	PRE	424	182	80.6	79.7	402
33	PRE	427	123	56.2	61.1	246
36	PRE	428	150	71.5	63.3	289
39	PRE	423	151	79.1	55.4	244
42	PRE	420	165	81.7	47.8	277
42	.5HR	416	204	106	59.8	382
42	1HR	419	172	83.2	47.2	350
42	2HR	421	202	95.6	63.3	408
42	3HR	430	224	92.9	56.3	335
42	4HR	417	201	88.5	53.8	353
42	6HR	364	175	72.7	60.1	382
42	8HR	442				
42	10HR	432	68.6	45.2	20.7	217
42	12HR	428		:_*		
43	AM	444	42	18.7		97.3
44	AM	428	46.6	21.1		48
45	AM	424	49.9	21.6		51.5
48	AM		29.2	23.4		17.2
51	AM	424				
54	AM					•
57	AM					
72	AM					
180	AM					

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Table 13f-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 08

Day	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	372				
1	.5HR	371	÷			
1	1HR	380	15.9	13.9		
·1	2HR	380	37.6	32.9	,	
1	3HR	366	65.3°	50.3		33.1
1	4HR	371	78.9	57.7	16.4	35.7
1	6HR	401	162	113	18.8	50.5
1	8HR	383	102	69.7	21.5	51.5
1	10HR ·	379	61.9	41.7		37.1
1	12HR	383	62.1	40.3		41.4
2	PRE	383	24.1	13.6		33.4
3 \	PRE	384	45.5	21.7		44.1
4	PRE	377	33.2	19.9	17.3	76.5
4	2HR	372	67.3	49.8	26	100
4	4HR	388	152	113	47.2	199
4	6HR	404	114	75.4	27.2	110
4	8HR	382	103	66.6	33.9	129
4	12HR	407	136	76.7	. 37.8	132
5	PRE	385	40.9	22.4	26.9	115
6	PRE	385	51.8	25.1	31.8	139
7	PRE	387	74.3	41.7	46	245
7	2HR	398	94.6	63	46.3	205
7	4HR	409	132	85.4	61.4	310
7	6HR	394	142	83.8	74.1	351
7	8HR	398	136	79.3	59.9	296
7	12HR	384	111	62.1	54.2	286
8	PRE	402	63.1	31.7	38.4	211
9	PRE	417	101	53.4	59	283
10	PRE	390	76.4	40.8	65	363
11	PRE			Larens .		
12	PRE		ومستعرب	•		
13	PRE					
14	PRE		•			
14	2HR					
14	4HR					
14	6HR					
14	8HR					
14	12HR					

Table 13f-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 08

Day	<u>Time</u>	QTc	Halo +	Halo -	Metab +	Metab -
15	PRE					
16	PRE			•		
17	PRE	•				
18	PRE			٠.		
19	PRE					
20	PRE		•			•
21	PRE					
21	2HR			•		
21	4HR					
21	6HR					
21	8HR					
21	12HR					
22	PRE		/			
25	PRE			,		
29	PRE					
32	PRE					
33 36	PRE PRE					
39	PRE					
42	PRE					
42	.5HR					
42	1HR					
42	2HR	•		•		
42	3HR				•	
42	4HR					
42	6HR	. ,				
42	8HR					
42	10HR				·	
42	12HR					
43	AM		**			
44	AM		and the second			
45	AM		Service of the servic			
48	AM	•				
51	AM					
54 57	AM					
57 72	AM					
72 ·	AM					
180	AM					

Table 13g-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 09

Day	<u>Time</u>	QTc	Halo +	Halo -	<u>Metab +</u>	<u>Metab -</u>
1	PRE	395				
1	.5HR	374				•
1	1HR	375	Ť			
1	2HR	359	12.6	11.2		
1	3HR		70.9	61.8		
1	4HR	386	152	132		20.4
1	6HR	401	122	102		24.3
1	8HR	391	103	81.4		27.6
1	10HR	381	65	47		26.6
1	12HR	391	53.8	37.4		23
2	PRE	368	21	15.2		24
3 、	PRE	393	20.6	13.4		33.2
4	PRE	416	24.2	16.5		44.1
4	2HR	384	42.8	29.5		51.7
4	. 4HR	403	109	73.3	23.1	78.5
4	6HR	391	95.8	63.6	15.2	64.3
4	8HR	385	60.5	42.5	16.6	55
4	12HR	409	38.6	24.1	15.7	44.1
5	PRE	384	27	17.5	17.8	85.8
6	PRE	397	36.7	20.5	15.2	62.6
7	PRE	372	40.9	23.4	21.7	111
7	2HR	358	36.1	21.4	18.7	79.8
7	4HR	389	122	86.7	41.5	194
7	6HR	407	122	87	33.2	176
7	8HR	396	94.1	60.8	28.5	125
7	12HR	406	64.8	43.5	35.3	164
. 8	PRE	399	44.6	28	29.1	158
. 9	PRE	428	57.4	35.1	29.7	138
10	PRE	411	51.6	29	25.5	153 ·
11	PRE	391	60.3	36.9	45.3	240
12	PRE	413	65.4	43.4	36.8	228
13	PRE	423	58.9	3 3.1	29.1	180
14	PRE	398	53.1	30	27.3	174
14	2HR	412	74.7	49	27	176
14	4HR	406	16 <u>6</u>	124	56.9	382
14	6HR	393	162	119	51.9	337
14	8HR	411	166	130	73.2	423
14	12HR	417	132	92.1	63.7	400

Table 13g-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 09

Day	Time	QTc	Halo +	Halo -	<u>Metab +</u>	<u>Metab -</u>
15	PRE	374	59.6	35.5	34.4	252
16	PRE	421	62.3	37.8	42.1	289
17	PRE	368	68.6	41.2	31.7	264
18	PRE	427	81.9	54.1	39.1	300
19	PRE	427	164	120	53.3	386
20	PRE	440	234	166	47.7	312
21	PRE	433	221	155	66.4	384
21	2HR	416	111	73.3	59.8	386
21	4HR	438	91.2	55.6	54.5	393
21	6HR	438	42.5	25.4	45.6	313
21	8HR	410	58.1	36.8	42.4	364
21、	12HR	409	86.4	60.2	42.4	282
. 22	PRE		. ,			
25	PRE	432	42	20.6	30.2	227
29	PRE	419	58.4	32.8	44.8	263
32	PRE	415	56.5	34.3	35	251
33	PRE	470	54.9	29.4	19.9	147
36	PRE	387	46	29.9	19	126
39	PRE	391	104	68.9	30.8	227
42	PRE	417	81	50.9	36.8	255
42	.5HR	413	88	52.6	19.3	139
42	1HR	413	120	73.2	37.1	256
42	2HR	419	90.9	49.6	35	181
42	3HR	424	72.9	43.2	32	207
42	4HR	420	70.8	40.4	32.3	217
42	6HR	418	54.9	29.4	30.5	222
42	8HR	413	37.3	21.1	28.2	205
42	10HR					
42	12HR	404	25.8	15		113
43	AM	454	17.8			73.5
44	AM	384	22	12.2		73.5
45	AM	433	20.1	10.7		42.2
48	· AM	367	. 13.2	56.5		22
51	AM	388		44.8	•	
54	AM					
57	AM					
72	AM					
180	AM				•	

Table 13h-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 10

Day	Time	QTc	Halo +	Halo -	Metab +	<u> Metab -</u>
1	PRE	398				
1	∙.5HR	392				
1	1HR	400				
1	2HR	402	19.6	28.8		
1	3HR	409	63.2	72.8	•	29.3
1	4HR	399	103	88.5	15.1	. 31
1	6HR	395	86.9	66	16.5	33.7
1	8HR	396	75.5	61.7	16.7	33.7
1	10HR	406	58.1	56.2		32.2
.1	12HR	400	43.5	47.6		23
2	PRE	377	23.3	21.4		20.4
3 、	PRE	404	20	12.4		33.5
4	PRE	404	28.4	23.3	18.4	45.9
4	2HR	413	32.9	30	19.2	51.8
4	4HR	412	70.9	56.9	19.4	70.1
4	6HR	405	63.2	46.7	20.2	66.8
4	8HR	412	49.2	37.1	24.8	73.1
4	12HR	414	34.1	23	24.2	68.7
- 5	PRE	412	24.3	15.4	21.7	71.4
6	PRE	409	20.5	16.5	19.2	71
7	PRE	410	19.8	14.2		51
7	· 2HR	419	43.5	37.5		60
7	4HR	405	63.3	54.6	19	79
7	6HR	399	65.4	63.9	18.8	70.3
7	8HR	418	51.7	43.9	16.5	67.4
7	12HR	406	31.4 _.	25.1		54.3
8	PRE	414	29.1	21.4	15.3	61.1
9	PRE	414	81.7	50.4	28.8	104
10	PRE	438	62	45.4	22.1	103
11	PRE	420	45.1	32.1	33.5	137
12	PRE	418	58.1	34.7	22.1	90.6
13	PRE	406	47.6	28	20.3	81.9
14	PRE	402	56.2	45.2	18	73.7
14	2HR	406	167	140	20.9	96.9
14	4HR	442	334	359	36.8	132
14	6HR	439	259	192	40.8	150
14	8HR	450	283	196	48.3	156
14	_ 12HR	420	178	109	40.2	152

Table 13h-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 10

<u>Day</u>	Time	QTc	Halo +	<u> Halo -</u>	Metab +	<u> Metab -</u>
15	PRE	440	98.6	57.7	45.3	207
16	PRE	420	83.6	45.4	41.4	202
17	PRE	415	65.9	37.4	33.5	200
18	PRE	403	224	200	43.7	245
19	PRE	433	359	333	47.4	. 209
20	PRE	451	278	192	- 55.5	213
21	PRE	429	254	172	61.1	255
21	2HR	446	173	109	44.7	200
21	4HR	416	95.1	51.1	38.5	212
21	6HR	405	98.4	62.7	46.4	232
21	8HR	432	87.9	53.5	36	216
21、	12HR	414	136	82.1	43.5	215
22	PRE	077	/ /	24.5		
25	PRE	377	118	64.5	57.4	287
29	PRE	414	94.6	47.4	50.3	301
32	PRE	413	67.8	35.6	26.1	178
33	PRE	373	83.7	44	31.7	236
36	PRE	392	54.5	37.8	19.8	151
39	PRE	379	165	124	54.9	403
42	PRE	445	435	468	44.1	481
42	.5HR	436	318	261	48.7	324
42	1HR	411	303	234	68.2	431
42	2HR	410	204	150	47.4	326
42	3HR	419	259	184	55.9	340
42	4HR	418	203	128	56.3	314
42	6HR	430	127	80.5	60.3	420
. 42	8HR	415	58.9·	33.3	31.5	255
42	10HR					
42	12HR	406	43.2	37		198
43	AM	411	36.1	30.9		168
44	AM	404	24.7	23.4		106
45	AM					
48	AM					
51 	AM					
54	AM					
57	AM					
72	AM					
180	AM					

Table 13I-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 11

Day	<u>Time</u>	QTc	<u>Halo +</u>	Halo -	Metab +	<u> Metab -</u>
1	PRE	412				
1	.5HR	421				
1	1HR	414	17.9	16.9		
1	2HR	409	34.8	27.4		
1	3HR	455	31.2	23		
1	4HR	474	80	50.9	24.2	45.7
1	6HR	414	42.2	24.8		20.8
1	8HR	414	. 41	22.9	17.2	31
. 1	10HR	415	39.9	23	16.9	31.3
1	12HR	416	28.4	16.5	17.9	35.7
2	PRE	423	17.1		16.2	31.5
3、	PRE	444	83.1	47.5	44	100
4	PRE	435	44.8	22.1	40.9	96.3
4	2HR	425	63.4	44.6	41.4	95
4	4HR	437	134	96.9	59.7	164
4	6HR	416	103	69.9	53.8	137
4	8HR	448	99.4	65.6	51.9	137
4	12HR	439	79.3	48.7	45.1	125
5 .	PRE	439	48.5	29.5	41.6	103
6 7	PRE	444	57.6	34.4	46.8	139
	PRE	421	32.5	21.6	29.8	84.8
7	2HR	434	55.4	42.4	30.6	101
7	4HR	424	109	79.1	47.5	142
7	6HR	429	85.8	56.7	36.2	103
7	8HR	437	75	49.1	33.6	94.8
7	12HR	410	59.3	37.5	32.9	93.4
8	PRE	424	33.3	20	32	96.9
9	PRE	423	43.5	25.8	35.7	126
10	PRE	430	34.1	21.1	25.6	86.6
11	PRE	427	41.7	26.2	26.6	97.4
12	PRE	412	41.3	23.7	27.7	102
13	PRE	407	58.5	36.4	42.1	167
14	PRE	438	43.9	31.3	32	135
14	2HR	409	67.2	52.7	25.9	102
14	4HR	447	216	205	41.1	157
14	6HR	436	302	264	47.5	167
14	8HR	439	324	269	41.8	133
14	12HR	452	187	159	50.3	155

Table 13I-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 11

Day	Time	QTc	<u>Halo +</u>	<u>Halo -</u>	Metab +	<u> Metab -</u>
15	PRE	431	73.9	41.7	44.4	193
16	PRE	458	60.5	30.9	33.6	137
17	PRE	451	65.6	34.6	27.7	130
18	PRE	454	67.1	40.4	31.3	118
19	PRE	441	86.2	58.9	27	98.7
20	PRE	450	127	87.4	39.3	195
21	PRE	483	96.8	65.6	32.7	131
21	2HR	438	81.4	50.8	39.3	176
21	4HR	440	56.1	29.9	27.5	120
21	6HR	474	54.1	29.1	32.9	125
21	8HR	441	46.4	25.8	28.9	150
21、	12HR	438	63.4	37.8	35.7	154
22	PRE		,			
25	PRE		/			
29	PRE	452	72.3	42	58.1	201
32	PRE	473	54.5	30.1	39.5	201
33	PRE	434	49.4	27.3	39.7	166
36	PRE	418	60.3	39.6	48.2	203
39	PRE	451	142	115	66.1	319
42	PRE	491	176	127	65.6	307
42	.5HR	476	205	147	74	390
42	1HR	478	135	93.6	49.8	233
42	2HR	471	111	67.8	51.9	230
42	3HR	425	155	98.2	77.6	367
42	4HR	450	92.9	55.2	46.8	251
42	6HR	434	54.2	31.5	45.4	225
42	8HR	427	43.6	24.3	35.7	204
42	10HR	463	38.5	22.3	24.4	162
42	12HR					
43	AM			in the second		
44	AM					
45	AM					
48	AM					
51	AM					
54	AM					
57	AM					
72	AM					

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Table 13j-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 14

<u>Day</u>	<u>Time</u>	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
1	PRE	403				
1	.5HR	406	•			
1	1HR	399				
1	2HR	421	11.2			
1	3HR	416	24.8	13.7		
1	4HR	389	44	19.5		· 17.1
1	6HR	385	49.2	22.3		15.6
1	8HR	426	50.4	20.7		19.1
1	10HR	419	50.7	19.7		22.6
1	12HR	426	34.5	12.7		22.3
2	PRE	420	18.9	•		18.8
3、	PRE	403	16.9		•	19.4
4	PRE	408	28.4			33.3
4	2HR	412	39.8	19.2		38.6
4	4HR	410	48.7	23.7	15.8	59.8
4	6HR	403	68	29.1	15.8	59.5
4	8HR	407	44.8	15 ·		33.6
4	12HR	398	38.6	13.2		45.8
.5	PRE	404	28.7	10.3		29.6
6	PRE	419	47.1	17.3		83.3
7	PRE	412	52.5	17.6		53.4
7	2HR	413	40.9	23.9		59.2
7	4HR	416	66	27		70.5
7	6HR	412	73.3	29.6	18.2	84.7
. 7	8HR	420	53.3	19.9		63
7	12HR	420	45.6	13.6		51.1
8	PRE	413	39.2	12.9		55.1
9	PRE	413	50.3	16.9	15.6	72
10	PRE	424	96.8	33.6	26.5	116
11	PRE	428	99.7	.33.3	20.5	97.8
12	PRE	421	99.5	30	28.6	155
13	PRE	418	71.6	23.9	25.2	196
14	PRE	413	73.3	22.8	28.4	195
14	2HR	419	99.8	40.4	34.4	298
14	4HR	413	168	82.6	50	320
14	6HR	413	176	87.9	44	317
14	8HR	405	182	84	55.5	374
14	12HR	417	104	42	39.6	299

Table 13j-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 14

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<u>Day</u>	Time	QTc	Halo +	Halo -	Metab +	<u> Metab</u> -
15	PRE	422	91.6	29.1	35.2	320
16	PRE	421	90	27.6	31.2	303
17	PRE	421	60.4	, 18.4 ·	20	199
18	PRE	415	156	69.5	37.8	336
19	PRE	413	154	65.1	31.2	233
20	PRE	420	140	62.2	29.9	244
21	PRE	414	99.8	40.9	23.1	176
21	2HR	421	86.2	29.1	22.1	161
21	4HR	416	74.7	22.6	29.4	292
21	6HR	444	126	38.3	32.8	339
21	8HR	450	272	91.3	56.3	460
21、	12HR	430	215	72.6	38	311
22	PRE					
25	PRE	448	206	61.6	48.5	401
29	PRE	438	223	70.6	54.5	405
32	PRE			•		
33	PRE					
36	PRE					
· 39	PRE				•	
42	PRE					
42	.5HR					
42	1HR					
42	2HR					
42	3HR					
42	4HR					
42	6HR	•				
42	8HR					
42	10HR					
42	12HR					
43	AM			,		
44	AM			•		
45	AM .					
48	AM					
51	AM					
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Table 13k-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 15

<u>Day</u>	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab</u> -
1	PRE	401				
1	.5HR	388				
1	1HR	349				
1	2HR	395	23.9	19.6	•	
1	3HR	374	28.6	19.9	•	
1	4HR	3 95	44	26.9		· 15.7
1	6HR	397	43.7	23.9		
1	8HR	392	38.6	20.7		
1	10HR	388	31.9	14.1		
1	12HR	388	22.3	•		
2	PRE	399	13			
3 \	PRE	405	39.1	18.8		23.9
. 4	PRE	381	33.7	14		50.3
4	2HR	416	61.1	37.1		58.1
4	4HR	396	70.6	39.7	18	88.6
4	6HR	383	70.2	36.5	22.3	108
4	8HR	401	59.7	28.3	20.9	89.7
4	12HR	381	47.3	21		68.8
5	PRE	388	33.2	12.2		41
6	PRE	404	35.1	13	16.9	89
. 7	PRE	398	34.6	12.2	16.3	97.5
7	2HR	383	58.5	33.8	15.3	87.9
7	4HR	395	100	57.7	20.9	149
7 '	6HR	365	98.2	54.4	20	112
7	8HR	394	72.6	36.9		53.8
7	12HR	371	68.8	27.5		49.2
8	PRE	397	34.8	14.4		83.6
9	PRE	396	30.4	13.3		55.1
10	PRE	401	47.1	22.1	20	120
11	PRE	404	50.4	23.7	16.7	102
12	PRE	388	49.7	22.8	20.2	135
13	PRE	401	35.1	17.7	16.9	110
14	PRE	396	53.1	24.8	19.8	154
14	2HR	398	94.8	61.6	27.5	186
14	4HR	430	107	65.2	36.2	221
14	6HR	410	138	75.5	22.3	137
14	8HR	409	121	64.9	30.8	180
14	12HR	398	91.5	41.1	24.4	169

Table 13k-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 15

Day	<u>Time</u>	QTc	<u>Halo +</u>	Halo -	Metab +	<u>Metab -</u>
15	PRE	409	51.6	23.1	21.3	167
16	PRE	397	53.8	29.5	21.3	188
17	PRE	392	38.2	17		137
18	PRE	401	85.4	49.4	20.7	180
19	PRE	435	142	94.3	31.8	250
20	PRE	416	145	92.5	22.3	· 173
21	PRE	409	125	76.3	31.2	251
21	2HR	403	89.6	50.1	20.9	178
21	4HR	394	49.7	24.8	28.7	221
21	6HR	423	40.1	18.5	22.9	161
21	8HR	418	86.2	43.9	42	319
21 \	12HR	402	94.5	48.7	42	346
. 22	PRE		. ,			
25	PRE	407	77.9	34.5	33.1	332
29	PRE	404	75.4	36.5	36.4	342
32	PRE	406	76.1	35.8	•	182
33	PRE	393	90.5	44.8	20.2	242
36	PRE	410	100	54.1	31.2	375
39	PRE	392	108	56.8	18.8	199
42	PRE	414	151	86	52.3	514
42	.5HR	389	138	73.5	39.1	372
42	1HR	408	123	64.4	19.6	163
42	2HR	404	124	66.2	26.7	270
42	3HR	402	114	58.1	29.1	284
42	4HR	420	128	66.9	38.3	326
42	6HR	415	89.1	42.7	34.3	406
42	8HR	401	65.8	32	20.9	270
42	10HR	395	46.2	22.1	17.3	272
42	12HR	389	33	12.8		188
43	AM	399	26.2	a server		106
44	AM	347	31.5	12.4		72.2
45	AM	383	20.2			26.9
48	AM	432	22.1			
51	AM	397				
54	AM					
57	AM					
72	AM					
180	AM					

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Table 13L-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 16

<u>Day</u>	<u>Time</u>	QTc	<u>Halo +</u>	<u>Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	380				
1	.5HR	396				
1	1HR	393				
1	. 2HR	390	18.1	12.9		
1	3HR	400	38.7	25.9		
1	4HR	400	40.3	24.4		
1	6HR	394	21.7	11.1		
1	8HR	374	19.8			
1	10HR	400	20.1	10.2		16.6
1	12HR	400	20.6	•		19.5
2	PRE	392	11		•	18.5
3 、	PRE	382	18.9			49.1
. 4	PRE	399	28.5	13.6		78.1
4	2HR	395	51.2 [´]	30.4		85.1
4	4HR	396	94.1	54.3	18.7	132
4	6HR	399	68.6	37.2	18.2	99.5
4	8HR	401	5 5.7	28.6		77.5
4	12HR	401	46.9	23.4	22.7	128
5	PRE	403	35.2	16.6	17.6	123
6	PRE	404	42.7	20.7	29.3	200
7	PRE	405	53.1	24.1	36.7	267
7	2HR	404	83.3	50.3	35.6	238
7	4HR	401	153	87.3	24.7	157
7	6HR	400	189	105	20.7	146
7	8HR	399	128	66.8	34.7	214
7	12HR	407	87.3	43.7	35.6	254
8	PRE	406	49.1	23.4	27.6	226
9	PRE	405	57.5	26.1	32.7	256
10	PRE	400	55.4	24.9	41.6	335
11	PRE	408	58.5	27.9	31.6 .	292
12	PRE	397	57.1	28.7	31.6	290
13	PRE	411	67.5	29.4	33.3	317
14	PRE	402	64.8	27.9	32.5	334
14	2HR	416	73.8	38.7	36.5	354
14	4HR	403	107	57.6	52.2	462
14	6HR	404	132	68.9	55.9	473
14	8HR	403	90.9	46.8	48.7	430
14	12HR	400	101	44.2	48.7	430

Table 13L-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 16

Day	<u>Time</u>	QTc	<u>Halo +</u>	<u>Halo -</u>	<u>Metab +</u>	<u>Metab -</u>
15	PRE	403	81.8	35.1	49.6	561
16	PRE	411	94	40.9	51.9	588
17	PRE	404	97.7	38.6	43.3	521
18	PRE	391	110	58.3	43.9	587
19	PRE	421	219	125	45	548
20	PRE	414	215	120	45.6	532
21	PRE	410	152	80.8	68.7	715
21	2HR	411	151	69.6	51.6	492
21	4HR	400	91.5	39.2	37.6	552
21	6HR	420	85.9	36.1	44.2	569
21	8HR	426	69.8	30.7	34.7	393
21 、	12HR	434	138	66.9	41.6	510
. 22	PRE		,			
25	PRE	424	152	68.4	47.9	497
29	PRE	427	242	115	73	594
32	PRE	438	87.7	39.7	28.2	335
33	PRE	420	108	47.8	31.9	375
36	PRE	407	90.5	41.2	32.2	344
39	PRE	403	120	63.3	32.2	381
42	PRE	433	208	114	47.9	524
42	.5HR	408	242	137	43.3	480
42	1HR	416	183	96.5	28.2	383
42	2HR	414	143	71.4	33	363
42	3HR	410	178	86.3	42.7	484
42	4HR	415	119	57.8	33.3	368
42	6HR	419	114	49.6	28.5	377
42	8HR	422	· 114	46.6	41.	563
42	10HR					
42	12HR					
43	AM			arara		
44	AM		a mark	,-		
45	AM					
48	AM	399	21.1			38.9
51	AM	416				
54	AM					
57	AM					,
72	AM					
180	AM					

Table 13m-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 18

<u>Day</u>	Time	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
1	PRE	403				
1	.5HR	394				
1	1HR	400			•	
1	2HR	409	24.1	20.5	28.4	
1	3HR	403	82.5	75.1	16.5	22.6
1	4HR	403	147	128	15.5	· 22.6
1	6HR	402	105	83.2	16.3	23.3
1	8HR	403	85.9	58.9	18.5	31.3
1 .	10HR	409	76.2	49.3	15.5	32.7
1	12HR	402	61.2	38.3	16.3	28.9
2	PRE	409	60.6	26.6	20.4	95.7
3 、	PRE	411	29.3	15 [°]		24.8
. 4	PRE	416	67.1	31.1	23.4	124
4	2HR	412	74.3	42.3	19.5	116
4	4HR	413	116	74.2	25.4	138
4	6HR	441	156	94.3	23.2	126
4	8HR	411	114	64.4	19.5	91.6
4	12HR	415	95.9	48	18.9	96.8
5	PRE	422	60.5	27.8	25.6	135
6	PRE	415	66	32.3	31.2	190
7	PRE	421	114	56.4	27.2	182
7	2HR	410	82.4	45.2	26	153
7	4HR	438	224	158	33.4	213
7	6HR	435	226	153	28.2	191
7	8HR	422	87.4	41.9	24.8	207
7	12HR	421	141	78.4	26	153
8 .	PRE	418	87.9	41	28.6	204
9	PRE	451	82.2	35.8	27	235
10	PRE	422	91.2	41.2	32.8	235
11	PRE	416	85.4	37.1	39	239
12	PRE	419	103	43.4	38.2	299
13	PRE	440	85	37.1	26.4	265
14	PRE	430	87.9	36.8	28.4	267
14	2HR	425	171	102	35 27.2	222
14	4HR	428	166	107	37.6	293
14	6HR	425	149	95.6 67.4	30.2	306
14	8HR	420	118	67.1	26.4	267
14	12HR .	428	125	62.6	33.8	218

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Table 13m-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 18

Day	Time	QTc	Halo +	<u> Halo -</u>	<u>Metab +</u>	<u>Metab -</u>
15	PRE	452	86.5	35.4	28.4	216
16	PRE	432	81.3	33.9	28.2	219
17	PRE	426	90.8	36.8	27.8	202
18	PRE	414	113	57.9	31.8	254
19	PRE	437	· 147	82.6	23.4	245
20	PRE	446	186	102	31.4	227
21	PRE	428	166	83.1	30.8	253
21	2HR	428	116	52.7	23.2	211
21	4HR	431	93	37.1	27.6	197
21	6HR	450	56.7	24.7	17.7	212
21	8HR	426	70.1	32.7	19.7	182
21 、	12HR	453	157	87.4	29.8	173
. 22	PRE					
25	PRE		·			
29	PRE					
32	PRE	475	213	112	39.2	384
33	PRE	462	215	127	37.8	389
36	PRE	456	201	117	37.8	377
39	PRE	434	209	159	38.4	438
42	PRE	464	219	157 .	33.8	394
42	.5HR	454	293	204	33.6	393
42	1HR	420	311	198	43.3	402
42	2HR	415	260	166	37.8	352
42	3HR	426	237	133	45.3	335
42	4HR	428	247	128	32.8	353
42	6HR	423	165	80	31.8	294
42	8HR	445				
42	10HR	440	110	47.3	18.1	273
42	12HR		54.8	20.7	17.7	291
43	AM	424	58.9	21.7		215
44	AM	419	42.3	20.2		141
45	AM	415	42.7	17.3		73.2
48	AM	416	27.7	14	•	43.3
5 1	AM					
54	AM					
57	AM					
72	AM					
180	AM					

Table 13n-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 19

<u>Day</u>	<u>Time</u>	QTc	<u>Halo +</u>	<u> Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	395	•			
1	.5HR	377				
1	1HR	366	26.6	23.2		
1	2HR	389	· 40.7	34.7	18.4	
1	3HR	404	48	34.5	15.8	
1	4HR	418	40.9	27.8		•
1	6HR	402	60.4	37.4		17.2
1	8HR	402	37.8	20.8		15.3
1	10HR	405	45.2	24.7		15.3
1	12HR	404	34.3	19.2		20.1
2	PRE	402	26.6	13.4	22	16.4
3、	PRE.	422	44.7	26.9		33.6
4	PRE	410	50.4	29	15.5	40.2
4	2HR	404	65	43.1	23.1	60
4	4HR	409	151	115	23.6	62.2
4	6HR	410	145	107		65.6
4	8HR	418	110	77.9	23.1	77
4	12HR	404	66	44.2		58.5
5	PRE	404	50.5	31.4		66.9
6	PRE	404	52.5	31.6	15.5	88.6
7	PRE	403	53.6	27.8	15.8	99.5
7	2HR		104	78.8		116
7	4HR	403	155	121	17.2	115
7	6HR	413	130	99.7		107
7	8HR	421	87.8	67.9		49.5
7	12HR	408	81.9	53		68
8	PRE	403	61	46.6	15.3	120
9	PRE	409	44.5	32.1	15.5	119
10	PRE	406	64	45.2	27.7	157
11	PRE	407	57.5	37.7	20.5	147
12	PRE	408	60.9	44.1	25.3	187
13	PRE	393	57.8	37.7	22.2	176
14	PRE	416	59.9	35.7	23.9	222
14	2HR		98.1	68.9	26	242
14	4HR		210	131	17.7	223
14	6HR		197	120	18.9	151
14	8HR		164	103	24.8	179
14	12HR		121	65.7		110

Table 13n-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 19

Day	Time	QTc	Halo +	<u>Halo -</u>	<u>Metab +</u>	<u> Metab -</u>
15	PRE	411	86.7	45.6		136
16	PRE	408	110	59.5		127
17	PRE	396	89.9	66.8	20.1	183
18	PRE	404	51.1	41.9		138
19	PRE	407	123	88.8		109
20	PRE	405	76.3	73.7	26.2	248
21	PRE	405	77.9	59.4	34.3	285
21	2HR	405	43.4	32.9	17	166
21	4HR	410	33	22.6	19.8	186
21	6HR	408	29.6	17.8		188
21	8HR	411	37.3	24.9	17.4	231
21、	12HR	442	40.1	27.1	18.9	217
. 22	PRE		52	33.7	21.7	278
25	PRE	420	49.6	32.4	21.2	231
29	PRE	401	55.2	35.5	29.3	309
32	PRE	440	44.9	30		179
33	PRE	409	45.9	29		200
36	PRE	398	56.4	38.1	21.7	253
39	PRE	405	74.2	55	19.3	259
42	PRE	416	105	77	28.1	298
42	.5HR	406	106	70.3	23.9	278
42	1HR	403	149	87.6	33.1	293
42	2HR	410	101	63.5	33.8	271
42	3HR	403	82.2	51.4	28.4	286
42	4HR	410	80.6	46.3	23.1	268
42	6HR	406	61.5	35.8	19.1	247
42	8HR	398	40.8	22.1	16.7	214
42	10HR	393	32	17.6	18.6	236
42	12HR	406	27.8	11.8		72.5
43	AM	415	19.5	10.5		97.6
44	AM	367	15.8	10.2		50
45	AM	401	13.1	11		28
48	AM	403				
51	AM	•				
54	AM					
57	AM					
72	AM					
180	AM					

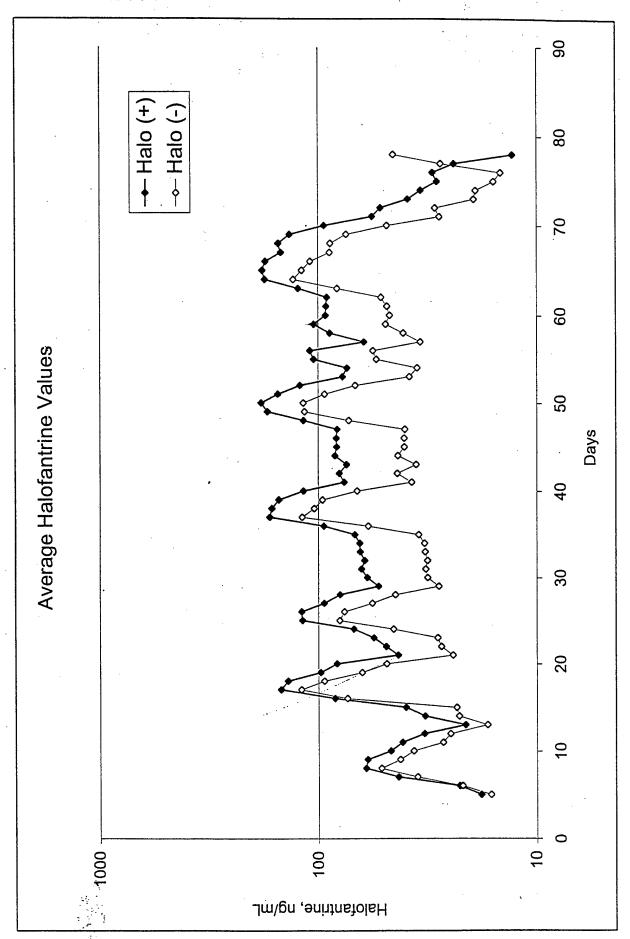
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Table 13o-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 20

Day	Time	QTc	Halo +	Halo -	Metab +	Metab -
1	PRE	422				
1	.5HR	392				
1	1HR	415				
1	2HR	404				
1	3HR	402	14.8	13.8		18.2
1	4HR	402	24.2	. 18.1		24.6
1	6HR	398	19.5	12.9		. 29.4
1	8HR	398	12.7	•		29
1	10HR	392				30.3
[*] 1	12HR	402		, i		31.7
2	PRE	4368			47.5	48.7
3、	PRE	383		•		48
. 4	PRE	397	15	11.5	23.6	105
4	2HR	422	22.3	20.2	24	92.7
4	4HR	404				106
4	6HR	403			•	26
4	8HR	413	36	26	32.3	139
4	12HR	416	30.2	23.4	26	108
-5	PRE	378	17.6	12.1	23.1	113
6	PRE	411	19.2	15.8	28.7	. 128
7	PRE	407	20.1	15.4	22.1	147
7	2HR	411	30	23.9	29.1	159
7	4HR	413	82.2	68.7	181	201
7	6HR	408	39.5	32.9	28.5	155
7	8HR	400	38.2	28.7	31.4	159
7	12HR	405	30	17.7	25.8	131
8	PRE	-411	24.2	20.5	28.7	169
9	PRE	407	23.2	20	29.4	169
10	PRE	413	28.2	17.9	26	184
11	PRE	409	23.1	17.9	31.8	184
12	PRE	425	20.4	14.7	29.4	183
13	PRE	415	29.3	23	34.1	190
14	PRE	411	29.7	22	26.9	183
14	2HR	405	28.2	20.5	22.5	178
14	4HR	410	47.1	36.9	40.7	176
14	6HR	410	40.5	29	37	205
14	8HR	426	55.2	42.1	36	209
14	12HR	424	50	30.8	26.5	171

Table 13o-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 20

<u>Day</u>	Time	QTc	Halo +	<u> Halo -</u>	Metab +	<u> Metab -</u>
15	PRE	402				20
16	PRE	409	32.9	23.2	21.1	162
17	PRE	410	36.5	20.4	21.9	134
18	PRE	411	41.6	33.8	27.9	176
19	PRE	417	83.8	59.7	33.3	192
20	PRE	417	51.7	34.8	26.5	163
21	PRE	432	56	37.3	25.6	170
21	2HR	416	45.6	30.4	31	154
21	4HR	424	19.2	13.1	20.7	153
21	6HR	415	40.8	24.6	18.6	115
21	8HR	448	78.4	57.1	39.1	201
21、	12HR	426	41.1	26	49	329
22	PRE		35.9	22.5	42	264
25	PRE	427	36.9	18.1	53.1	420
29	PRE	421	22.4	14.4	43	385
32	PRE	438	33.8	17	28.5	304
33	PRE	437	27	17.2	33	330
36	PRE	425	40.8	24.8	40.9	389
3 9	PRE	428	35.7	26.4	38.7	346
42	PRE	442	71	57.5	49.3	424
42	.5HR	442	66.1	50.2	45.9	416
42	1HR	435	80.3	53.4	41.1	386
42	2HR	420	63.6	42.8	45.9	429
42	3HR	416	57.3	37.3	42.7	383
42	4HR	425	49.5	37.7	41.6	304
42	6HR	414	34.3	22.3	33.2	309
42	8HR	411	21.7	14.2	31.4	283
42	10HR	411	17.4		24.2	309
42	12HR	412				159
43	AM	414				117
44	AM	407				
45	AM	382			34.8	51.9
48	AM	409	18.9		31.9	48.8
51	AM		12.9		29.4	64
54	AM					
57	AM					
72	AM				•	
180	AM					



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Figure 55a: Halofantrine and Metabolite Concentrations for Subject 01

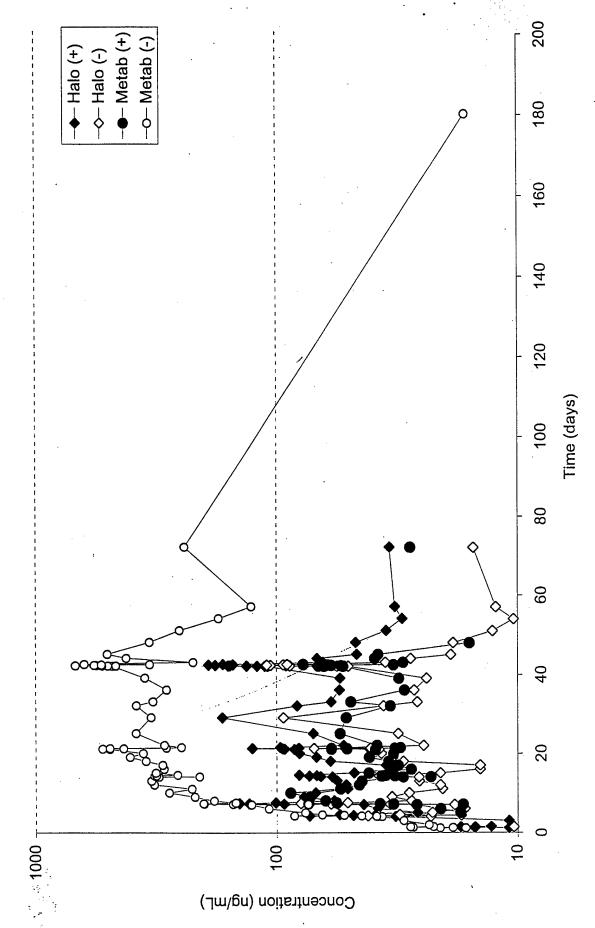


Figure 55b: Halofantrine and Metabolite Concentrations for Subject 02

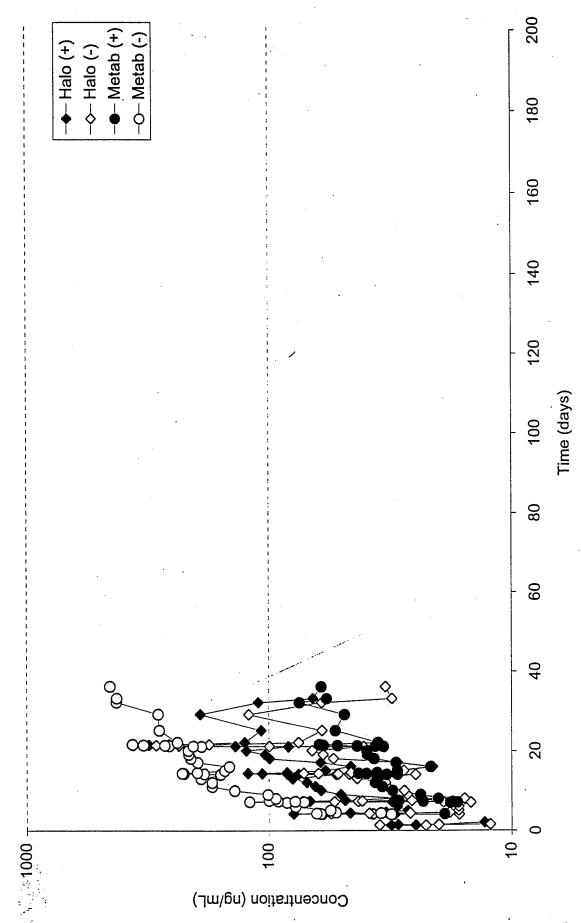


Figure 55c: Halofantrine and Metabolite Concentrations for Subject 04

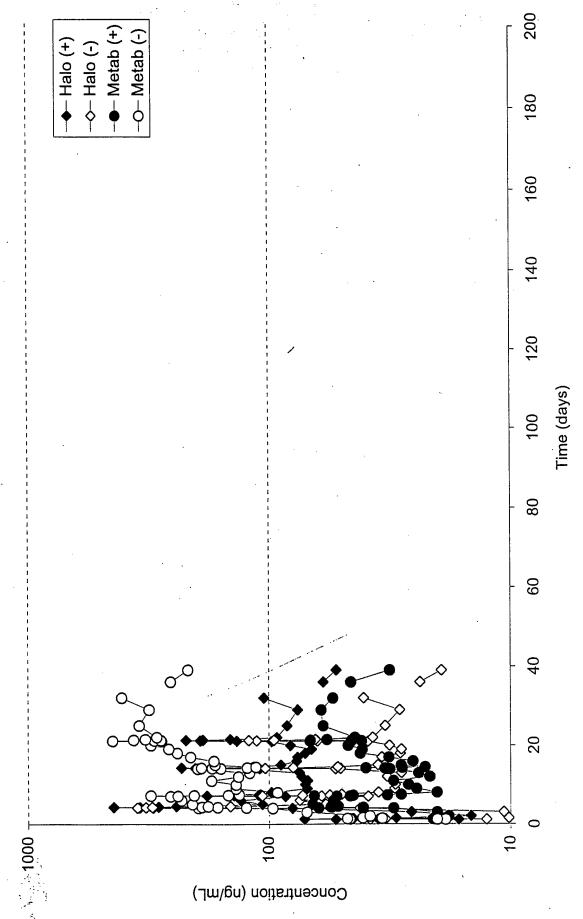


Figure 55d: Halofantrine and Metabolite Concentrations for Subject 05

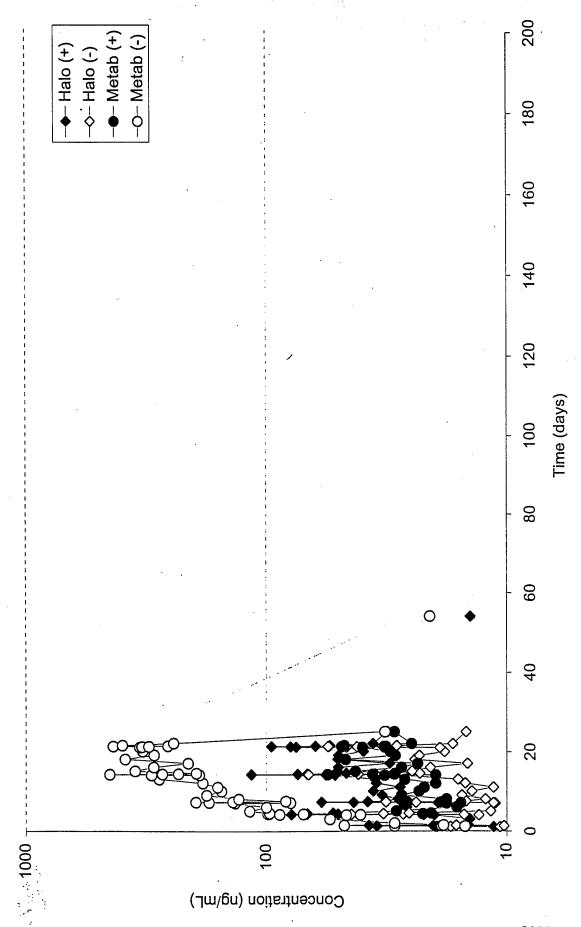
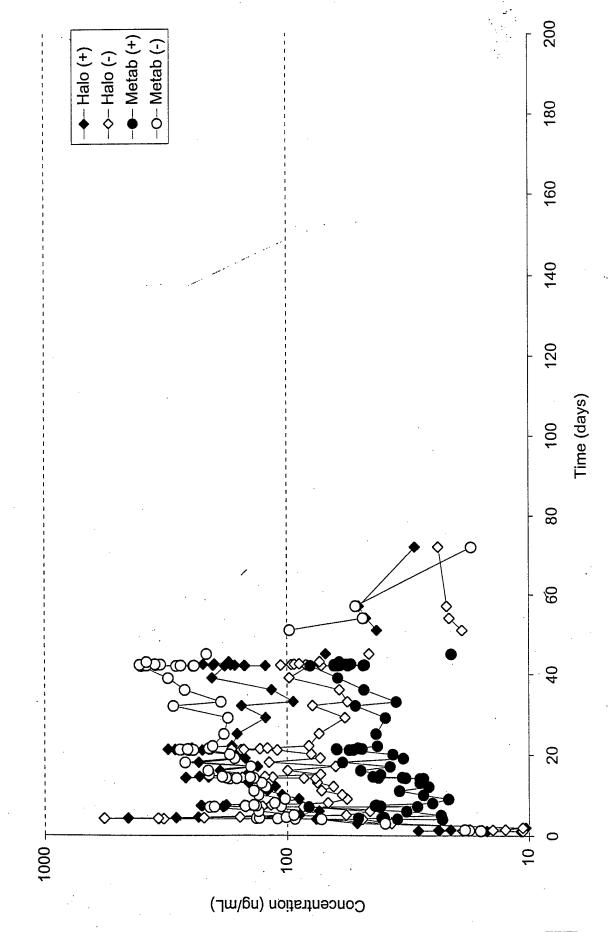


Figure 55e: Halofantrine and Metabolite Concentrations for Subject 07



200 ---- Metab (+) -0- Metab (-) -+- Halo (+) --<-- Halo (-) 180 Figure 55f: Halofantrine and Metabolite Concentrations for Subject 08 160 140 120 Time (days) 100 80 60 40 20 1000 10 100 Concentration (ng/mL)

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200 -- Metab (+) -o- Metab (-) -->- Halo (-) 180 Figure 55g: Halofantrine and Metabolite Concentrations for Subject 09 160 140 120 Time (days) 100 80 9 40 20 1000 Concentration (ng/mL)

200 --•-- Metab (+) -o- Metab (-) ->- Halo (-) 180 Figure 55h: Halofantrine and Metabolite Concentrations for Subject 10 160 140 120 Time (days) 100 80 60 40 20 0 1000 Concentration (ng/mL)

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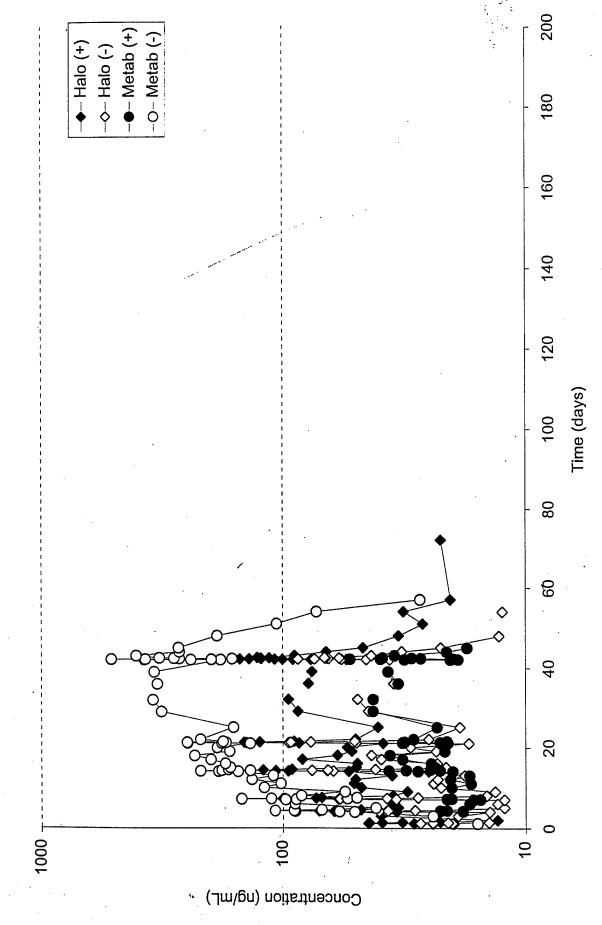
200 – Metab (+) -0- Metab (-) . ← Halo (+) → Halo (-) 180 Figure 55I: Halofantrine and Metabolite Concentrations for Subject 11 160 140 120 Time (days) 100 80 9 40 20 9 Concentration (ng/mL)

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---- Metab (+) -o- Metab (-) -->- Halo (-) Figure 55j: Halofantrine and Metabolite Concentrations for Subject 14 Time (days) Concentration (ng/mL)

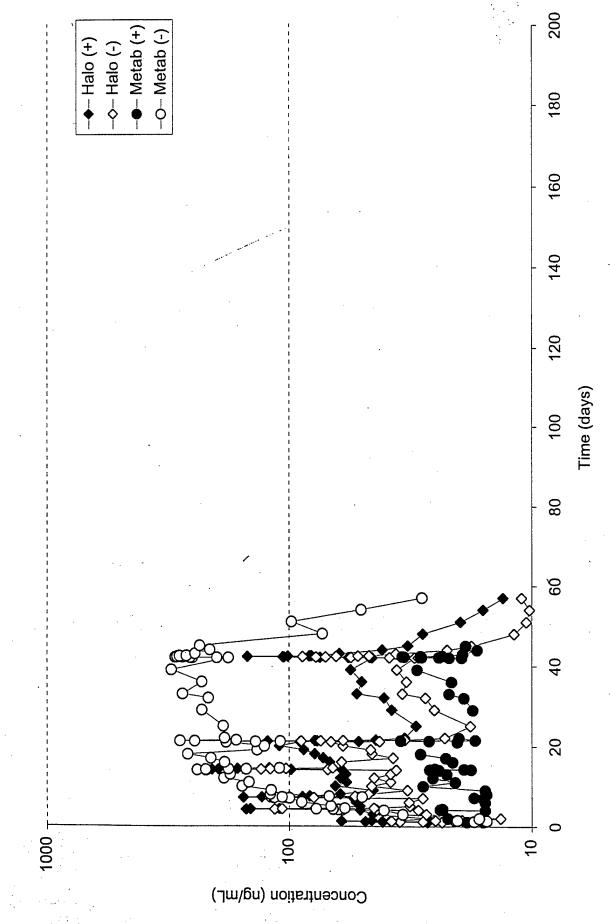
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Figure 55k: Halofantrine and Metabolite Concentrations for Subject 15



200 – Metab (+) -0- Metab (-) → Halo (-) 180 Figure 55L: Halofantrine and Metabolite Concentrations for Subject 16 160 140 120 Time (days) 100 80 9 40 20 1000 Concentration (ng/mL)

Figure 55n: Halofantrine and Metabolite Concentrations for Subject 19



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200 -•- Metab (+) -o- Metab (-) ► Halo (+) -->- Halo (-) 180 Figure 550: Halofantrine and Metabolite Concentrations for Subject 20 160 140 120 Time (days) 100 80 90 40 20 0 10 -1000 100 Concentration (ng/mL)

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Figure 56a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 01

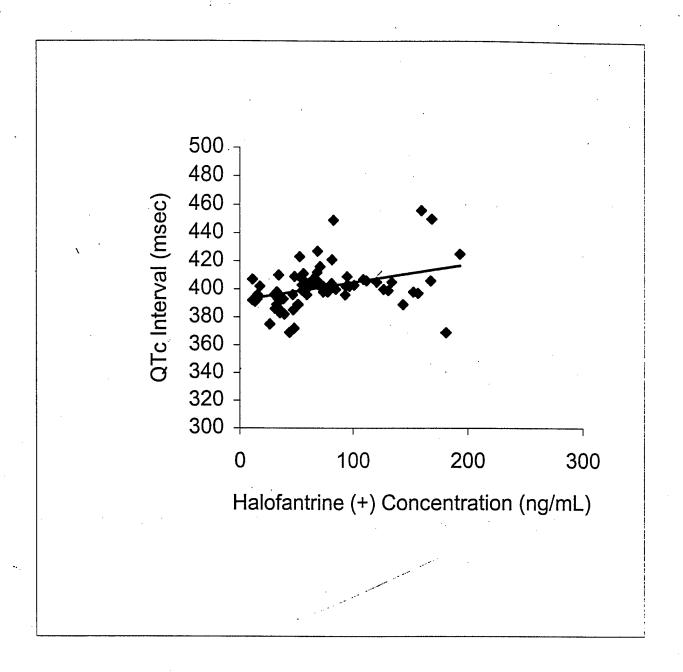
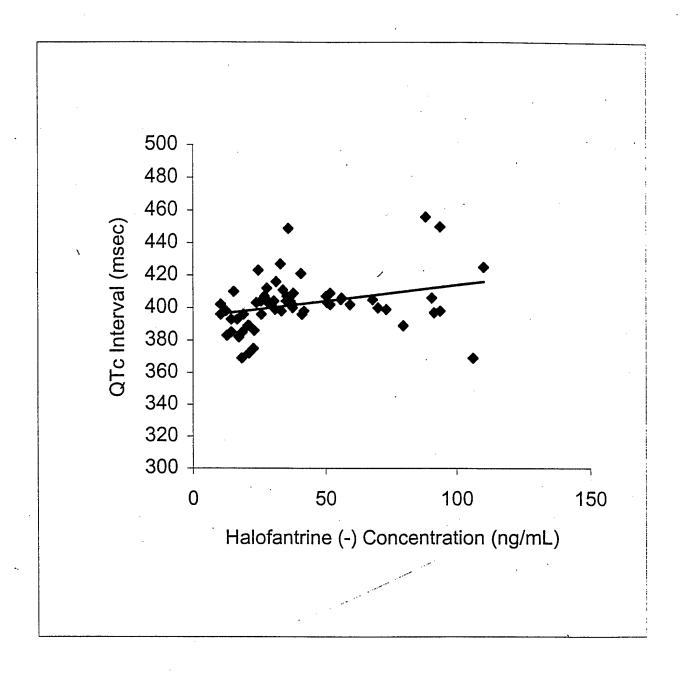
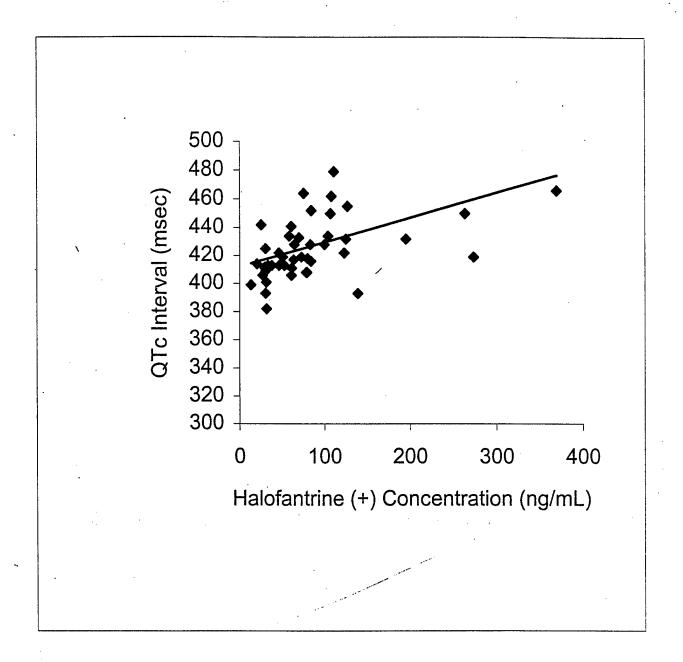


Figure 56b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 01



QTc = 394.2 + 0.1979 * Halo(-)

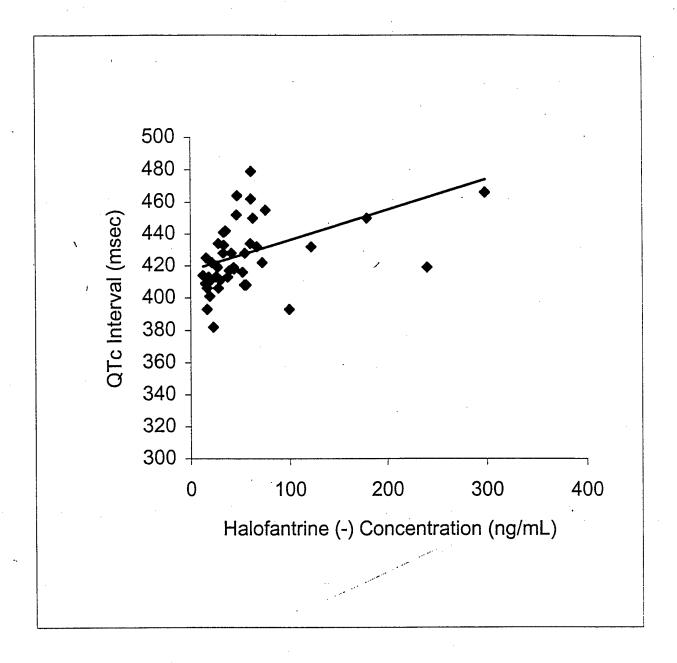
Figure 57a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 02



QTc = 412.2 + 0.1748 * Halo(+)

Correlation Coeficient (r) = 0.511

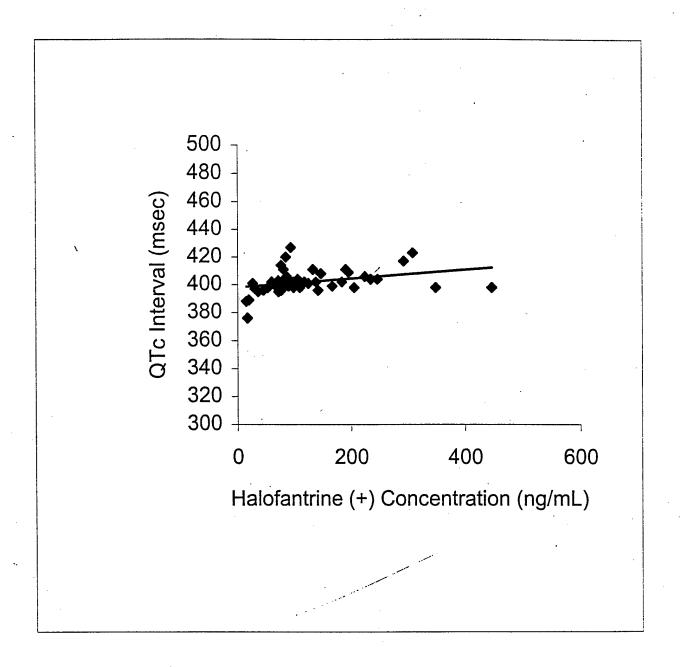
Figure 57b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 02



QTc = 417.2 + 0.1904 * Halo(-)

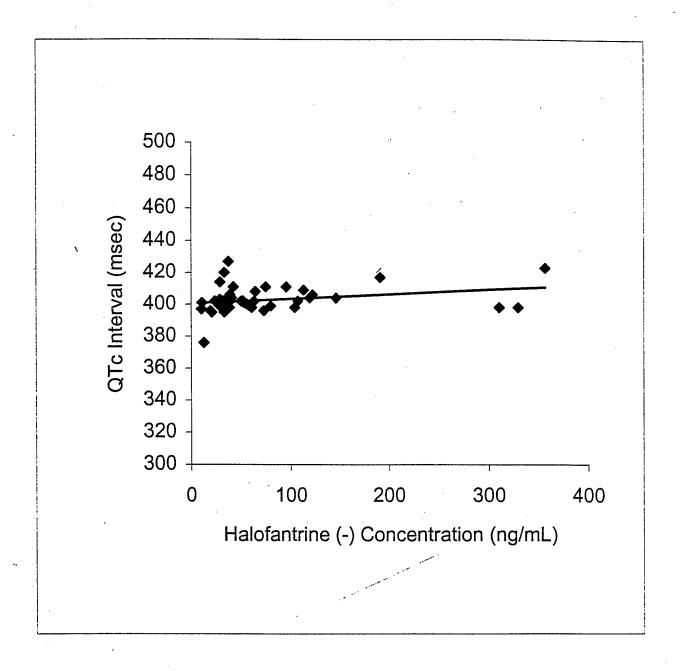
Correlation Coeficient (r) = 0.447

Figure 58a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 04



QTc = 398.2 + 0.0318 * Halo(+)

Figure 58b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 04



QTc = 400.6 + 0.0287 * Halo(-)

Figure 59a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 05

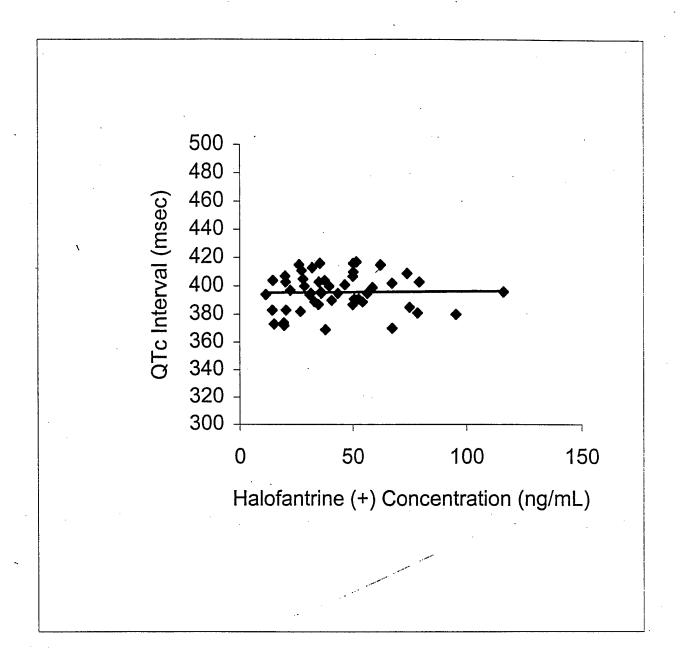
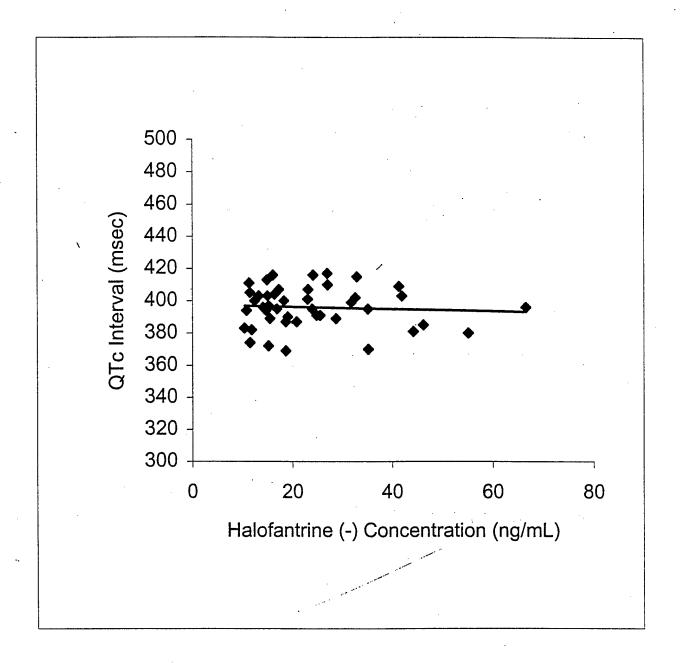


Figure 59b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 05

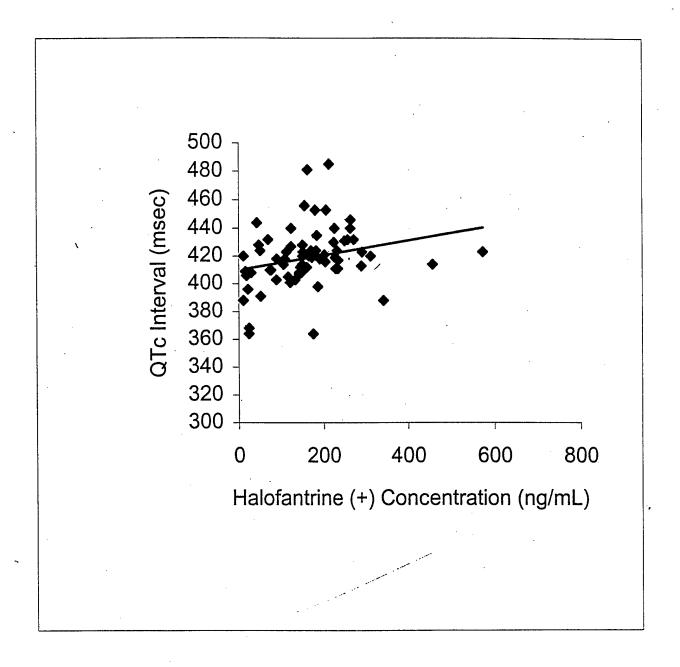


QTc = 397.5 + -0.0663 * Halo(-)

Correlation Coeficient (r) = -0.067

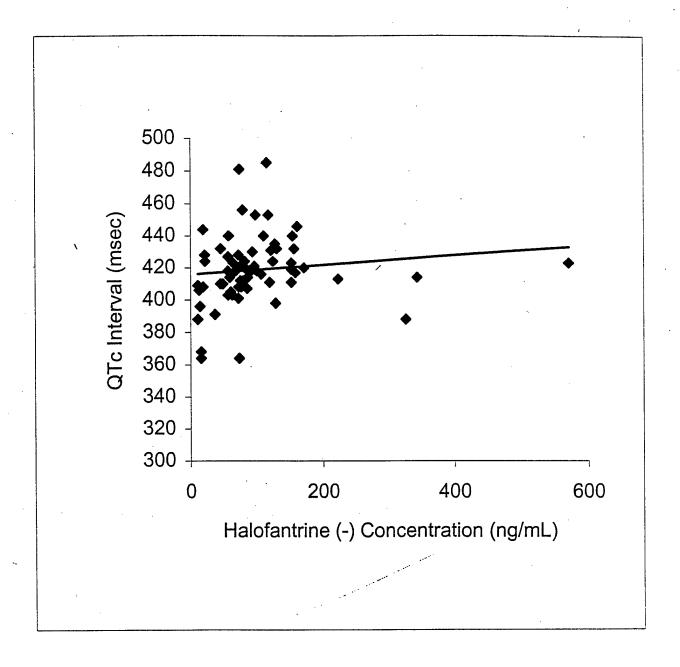
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Figure 60a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 07



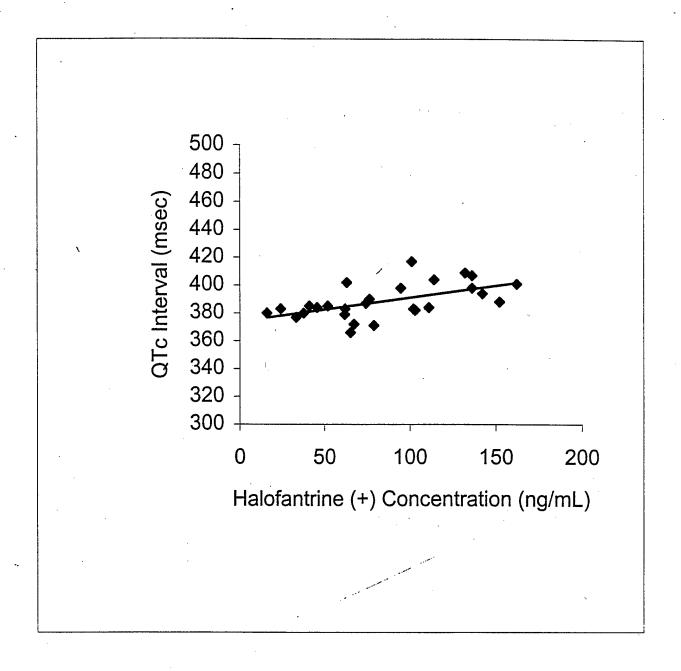
$$QTc = 410.1 + 0.0531 * Halo(+)$$

Figure 60b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 07



$$QTc = 415.8 + 0.0301 * Halo(-)$$

Figure 61a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 08

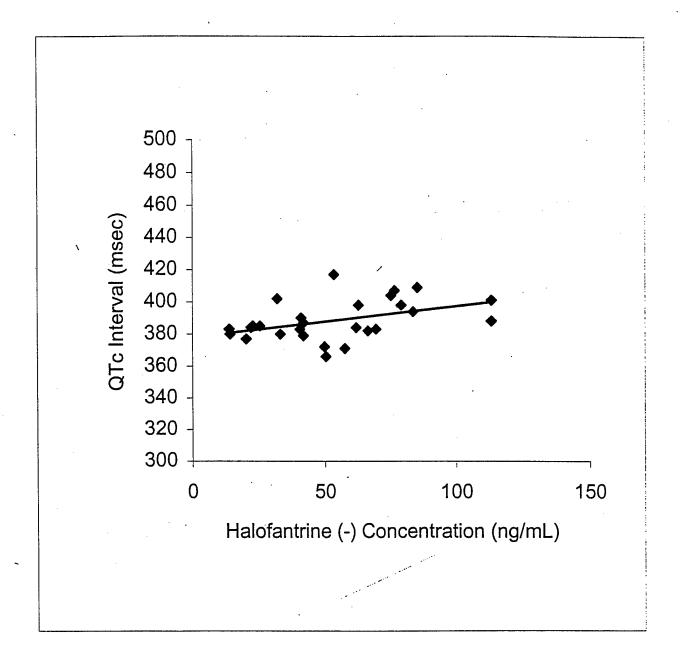


QTc = 373.9 + 0.1718 * Halo(+)

Correlation Coeficient (r) = 0.569

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Figure 61b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 08

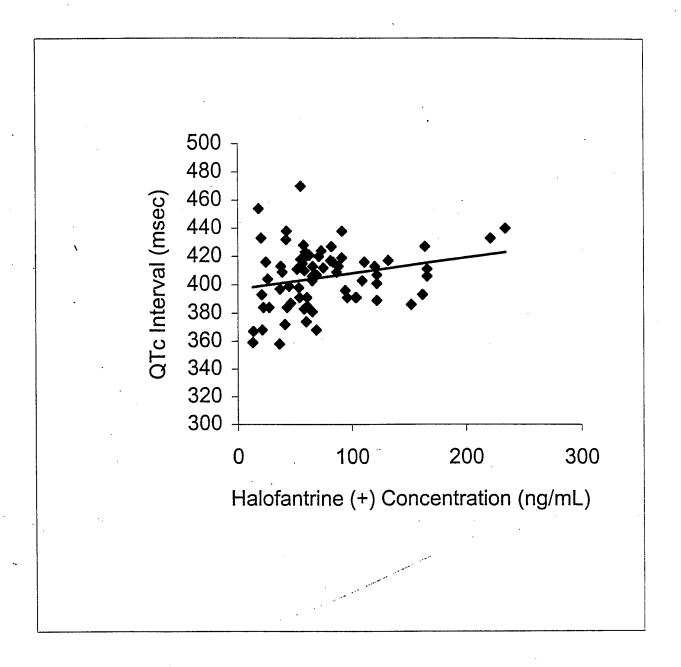


QTc = 378.2 + 0.1927 * Halo(-)

Correlation Coeficient (r) = 0.429

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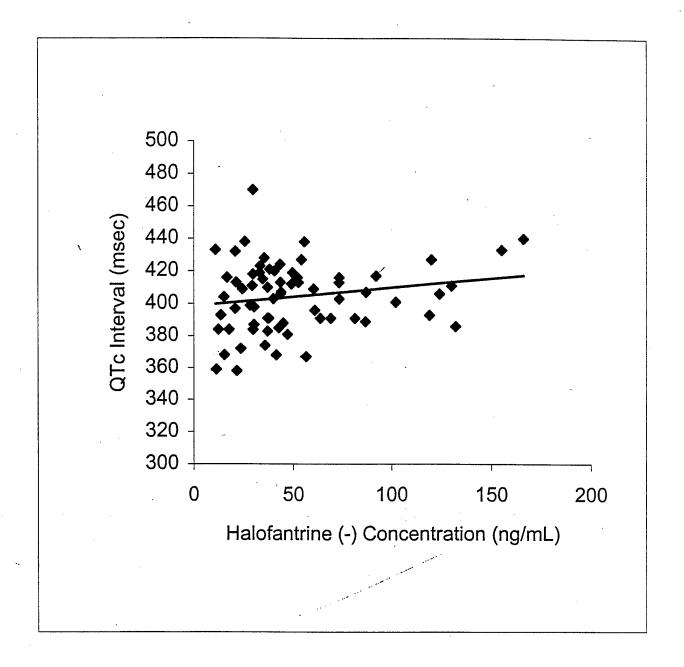
Figure 62a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 09



QTc = 397.1 + 0.1109 * Halo(+)

Correlation Coeficient (r) = 0.238

Figure 62b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 09

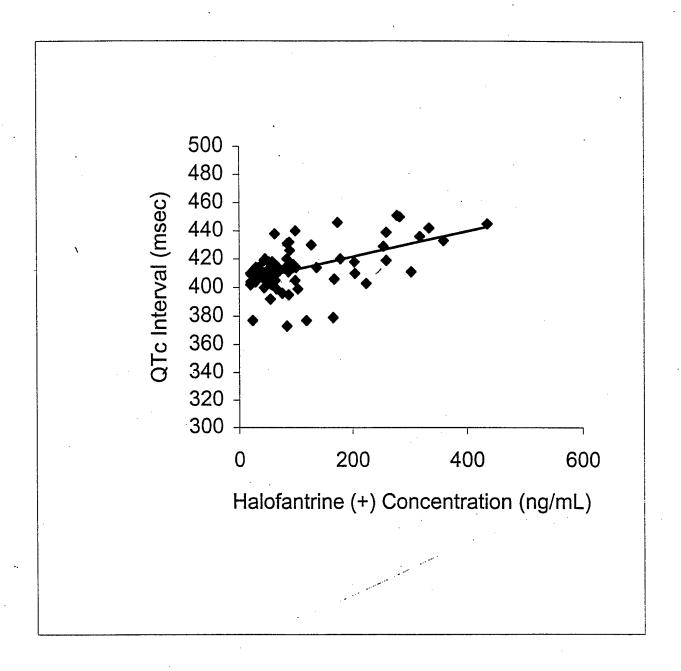


QTc = 398.6 + 0.1130 * Halo(-)

Correlation Coeficient (r) = 0.189

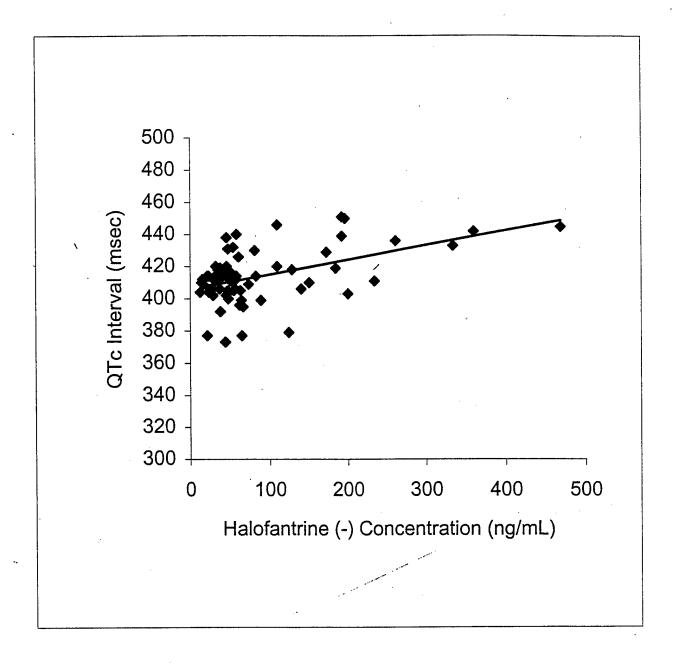
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Figure 63a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 10



QTc = 403.6 + 0.0903 * Halo(+)

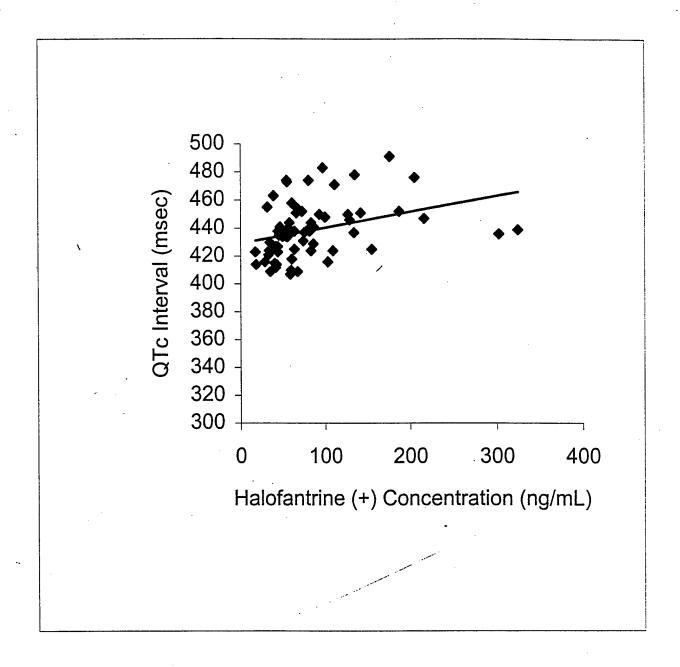
Figure 63b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 10



QTc = 405.9 + 0.0920 * Halo(-)

Correlation Coeficient (r) = 0.487

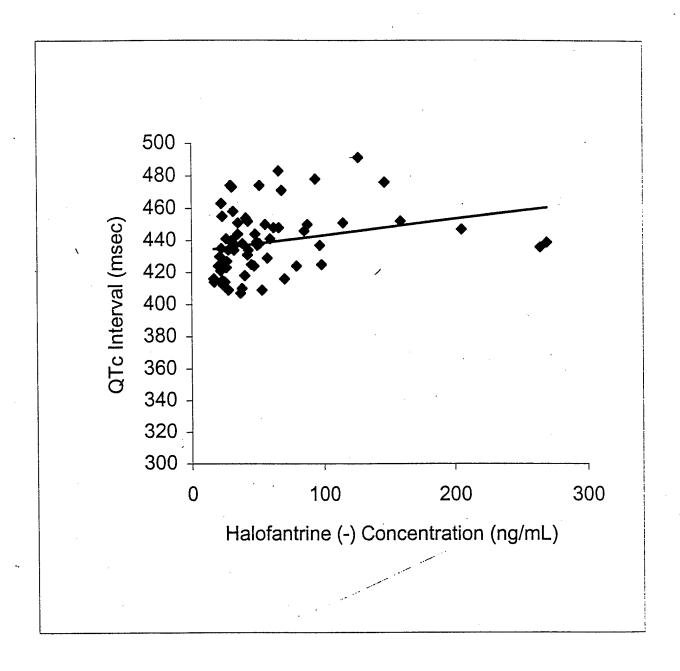
Figure 64a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 11



QTc = 429.4 + 0.1126 * Halo(+)

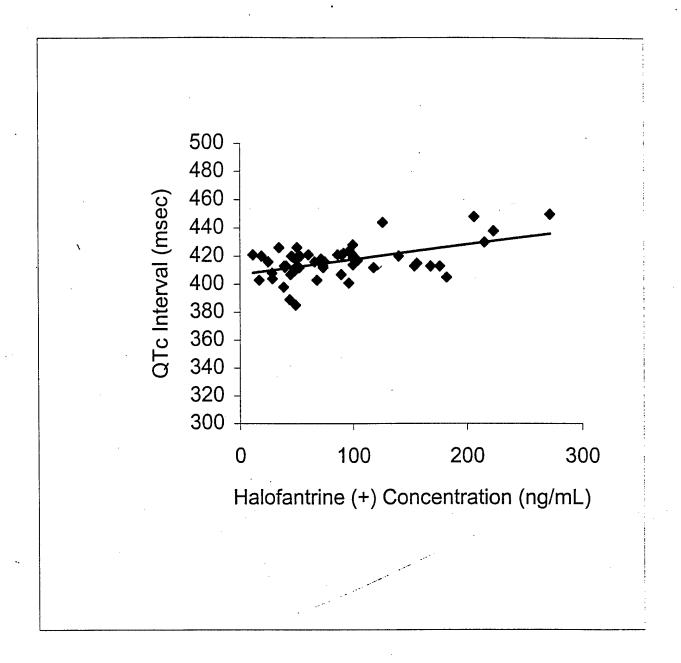
Correlation Coeficient (r) = 0.339

Figure 64b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 11



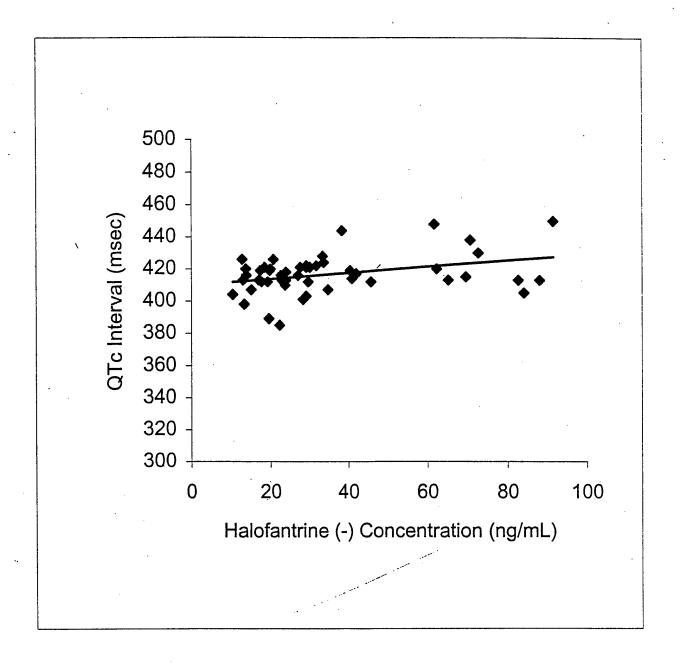
QTc = 433.0 + 0.1025 * Halo(-)

Figure 65a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 14



QTc = 407.0 + 0.1075 * Halo(+)

Figure 65b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 14



$$QTc = 409.9 + 0.1938 * Halo(-)$$

Figure 66a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 15

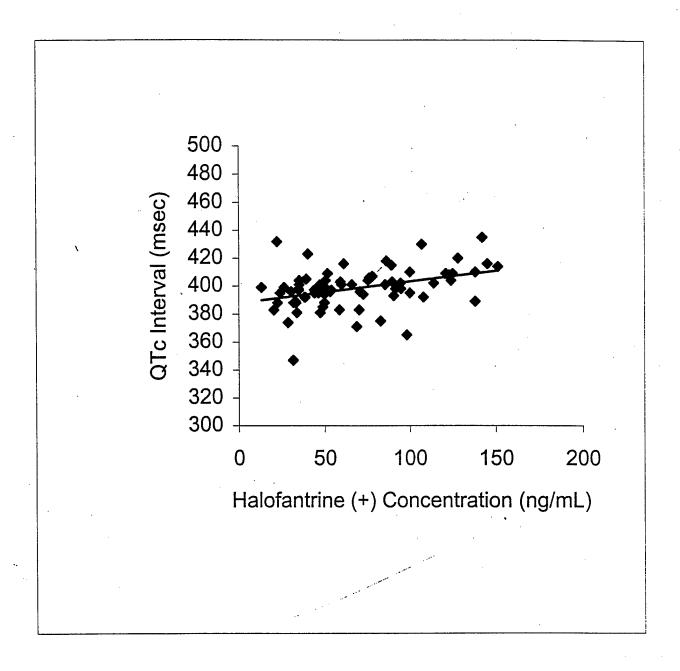


Figure 66b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 15

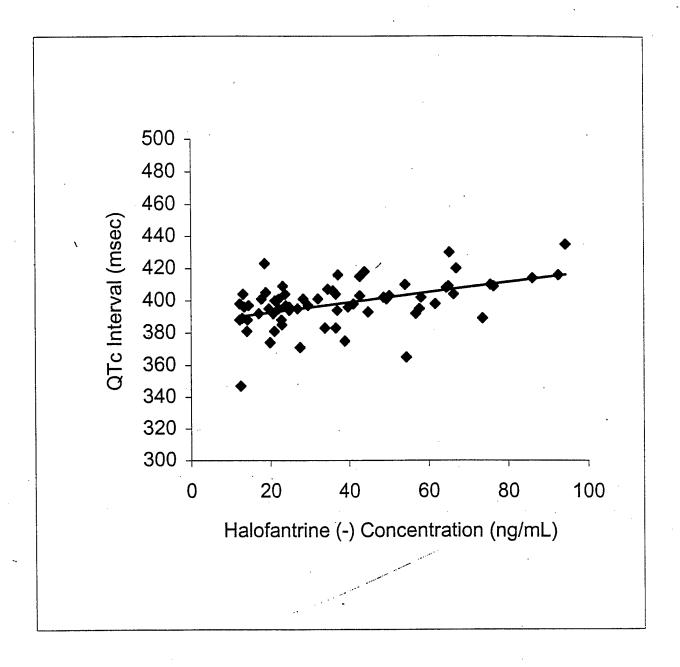
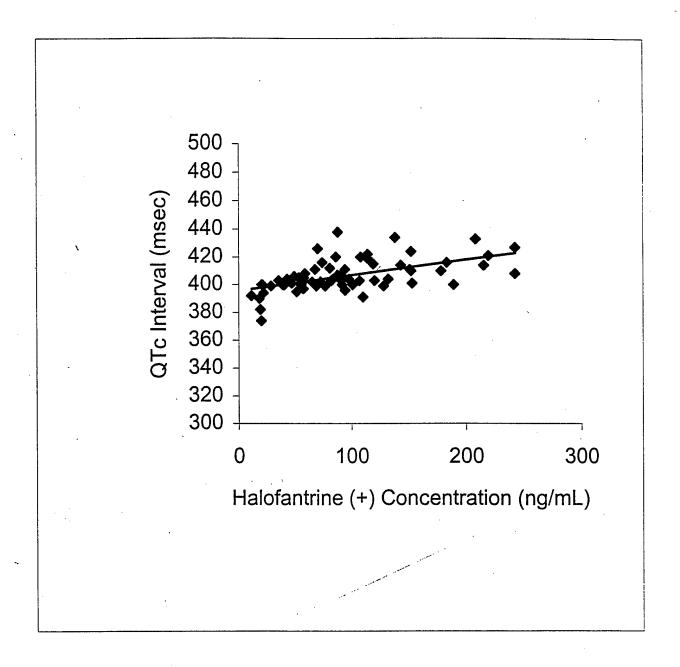
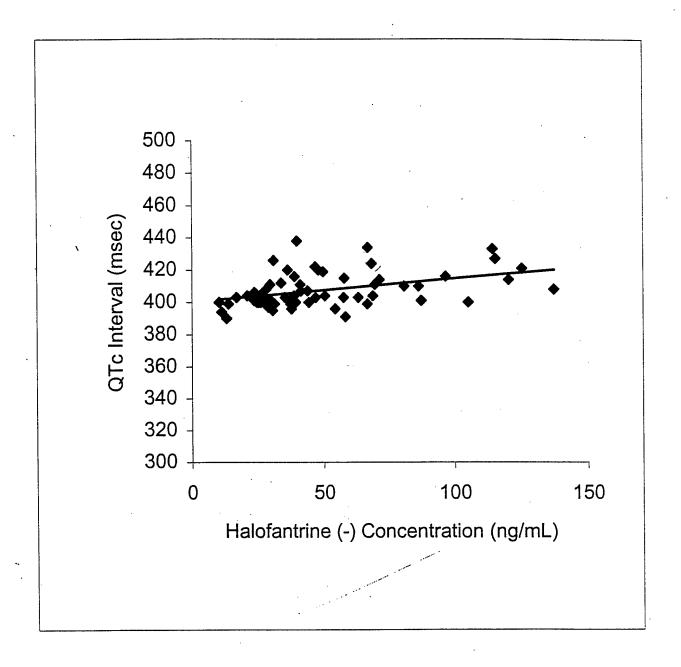


Figure 67a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 16



$$QTc = 395.7 + 0.1125 * Halo(+)$$

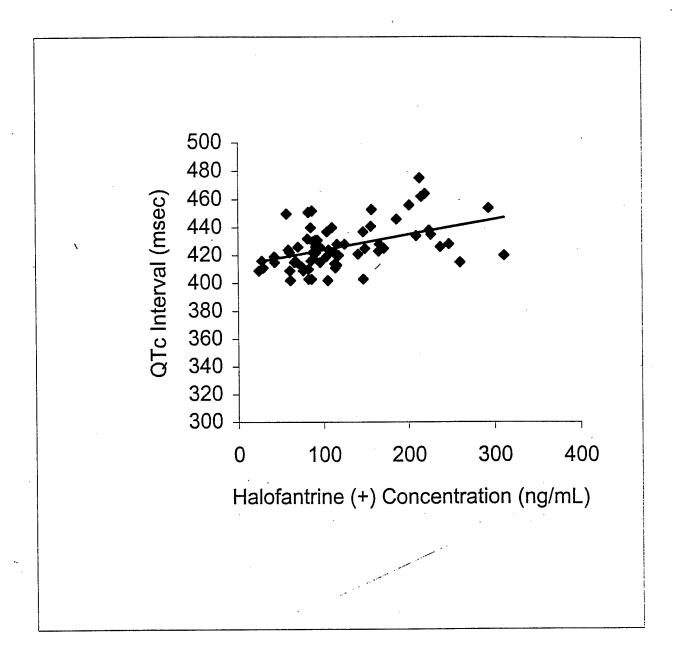
Figure 67b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 16



QTc = 400.4 + 0.1452 * Halo(-)

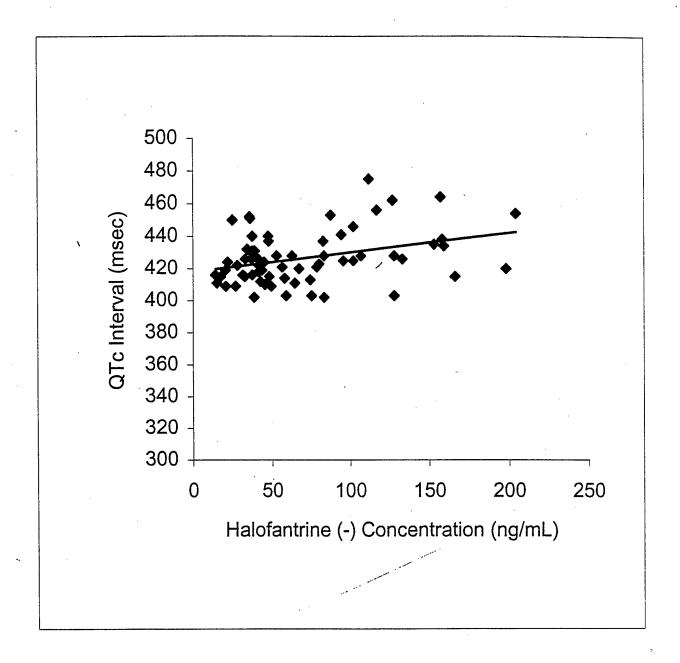
Correlation Coeficient (r) = 0.415

Figure 68a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 18



$$QTc = 412.8 + 0.1112 * Halo(+)$$

Figure 68b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 18

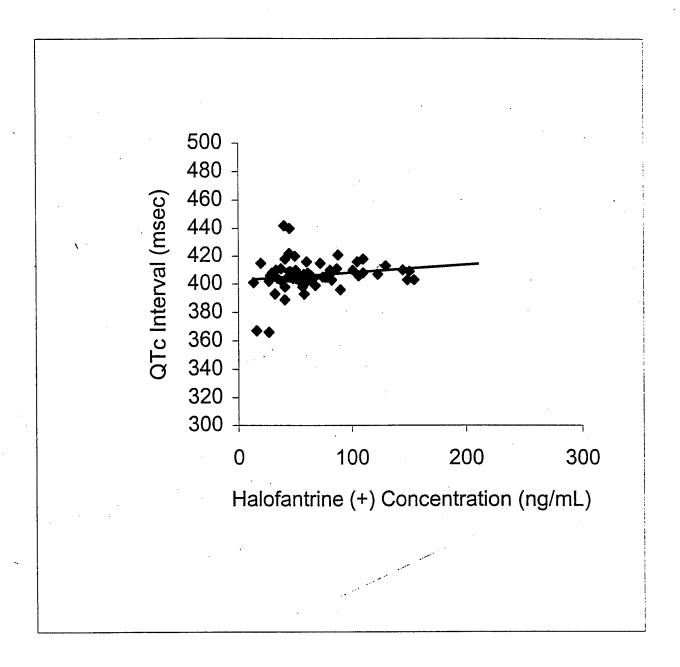


QTc = 418.1 + 0.1203 * Halo(-)

Correlation Coeficient (r) = 0.349

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Figure 69a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 19



QTc = 402.6 + 0.0566 * Halo(+)

Figure 69b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 19

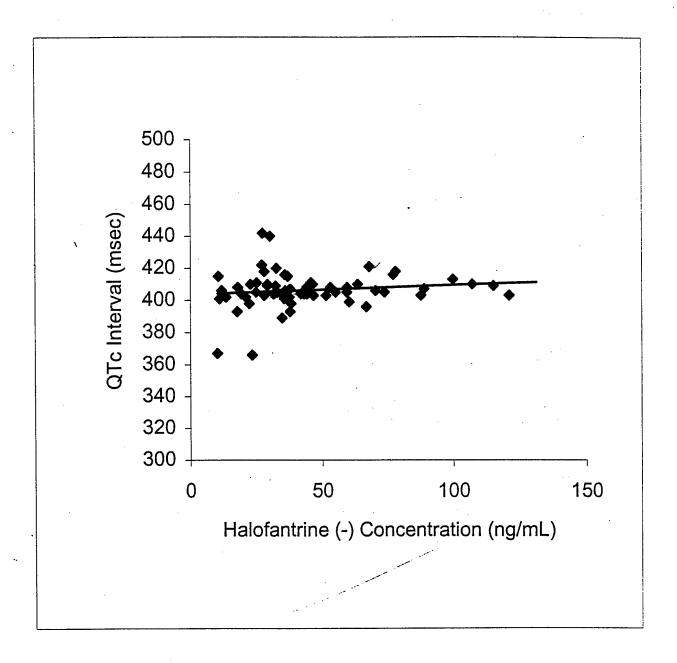
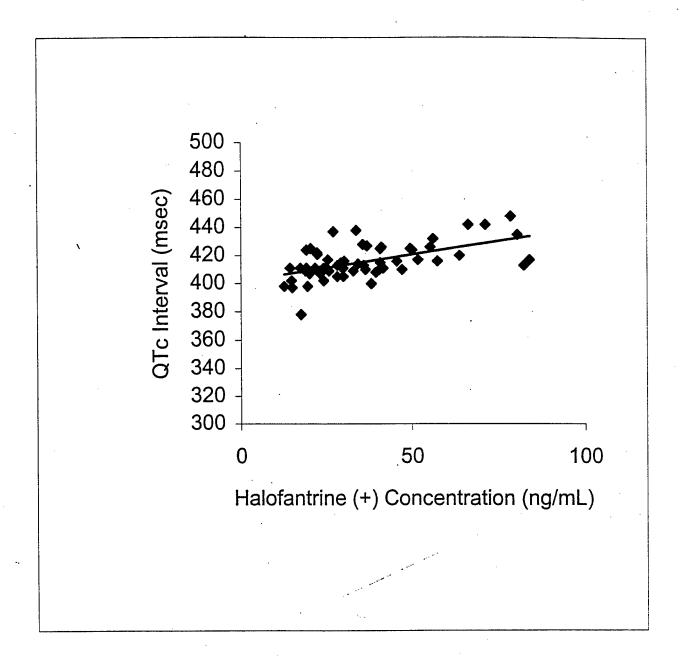
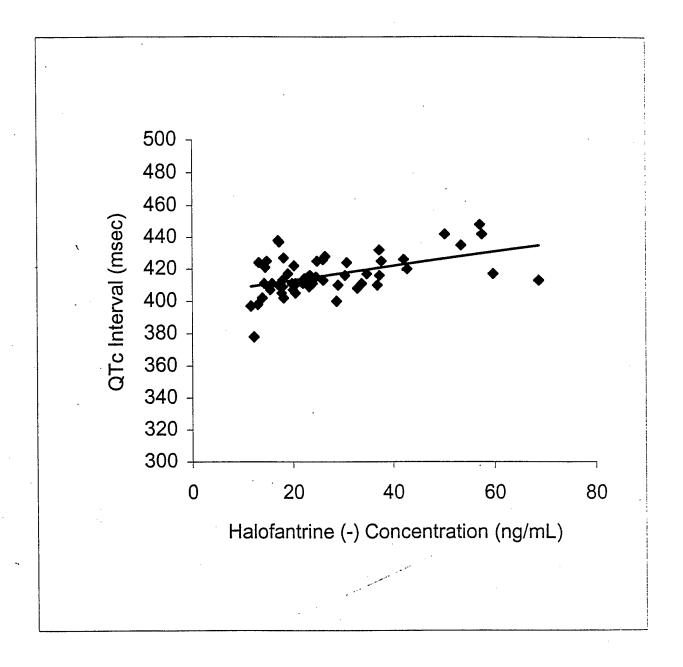


Figure 70a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 20



QTc = 401.6 + 0.3849 * Halo(+)

Figure 70b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 20



QTc = 404.0 + 0.4512 * Halo(-)